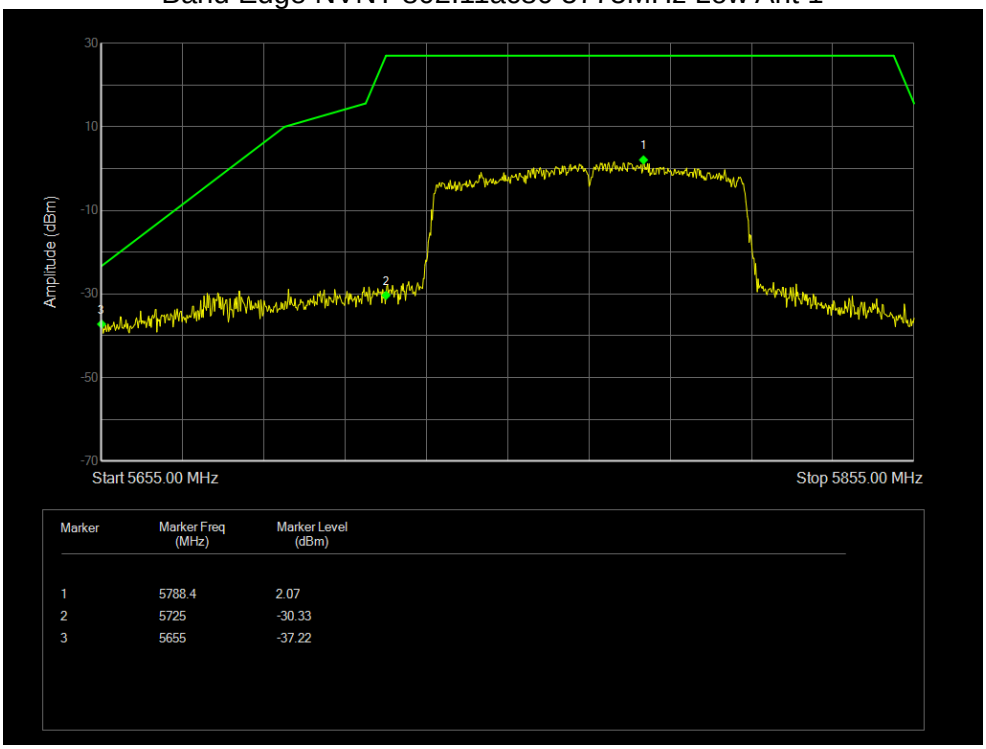
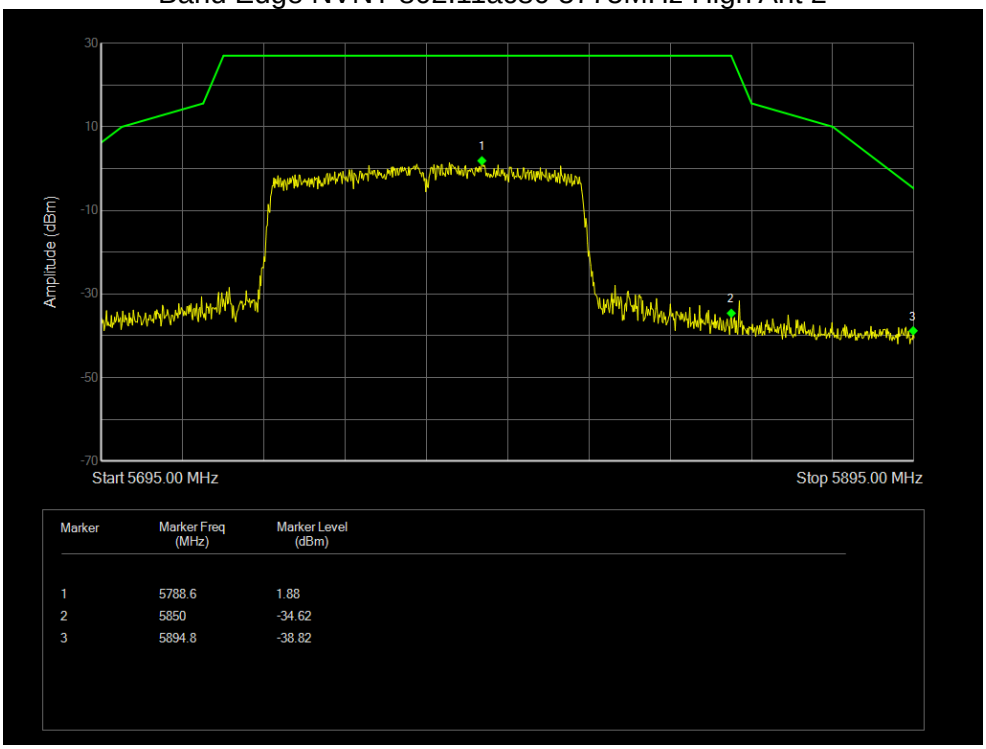
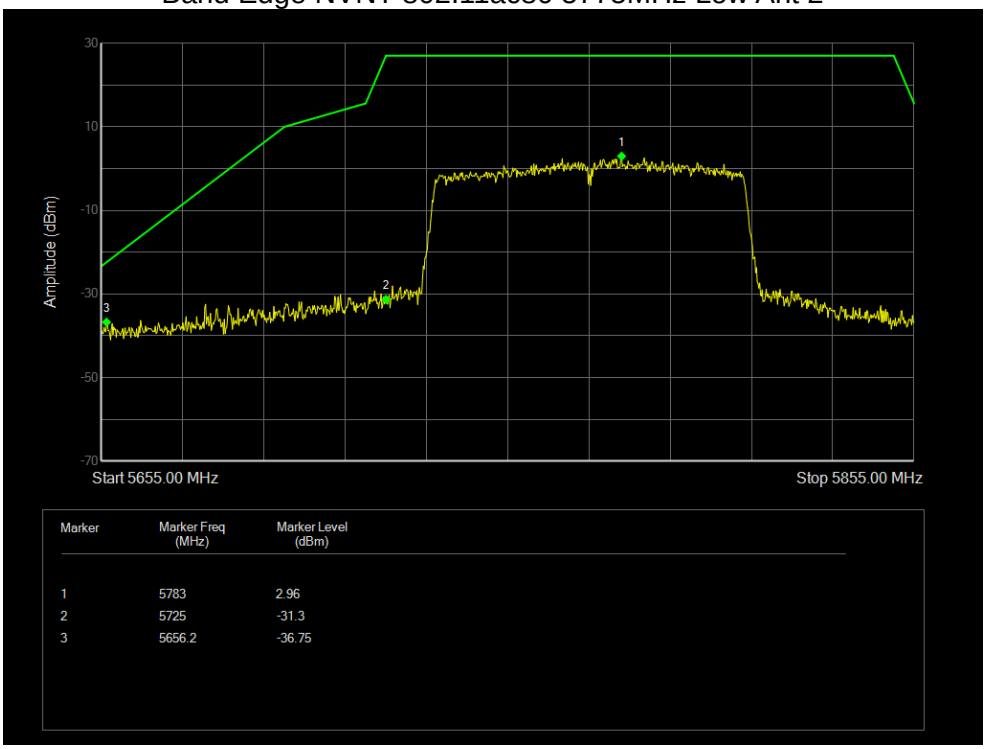
Band Edge NVNT 802.11ac80 5775MHz Low Ant 1



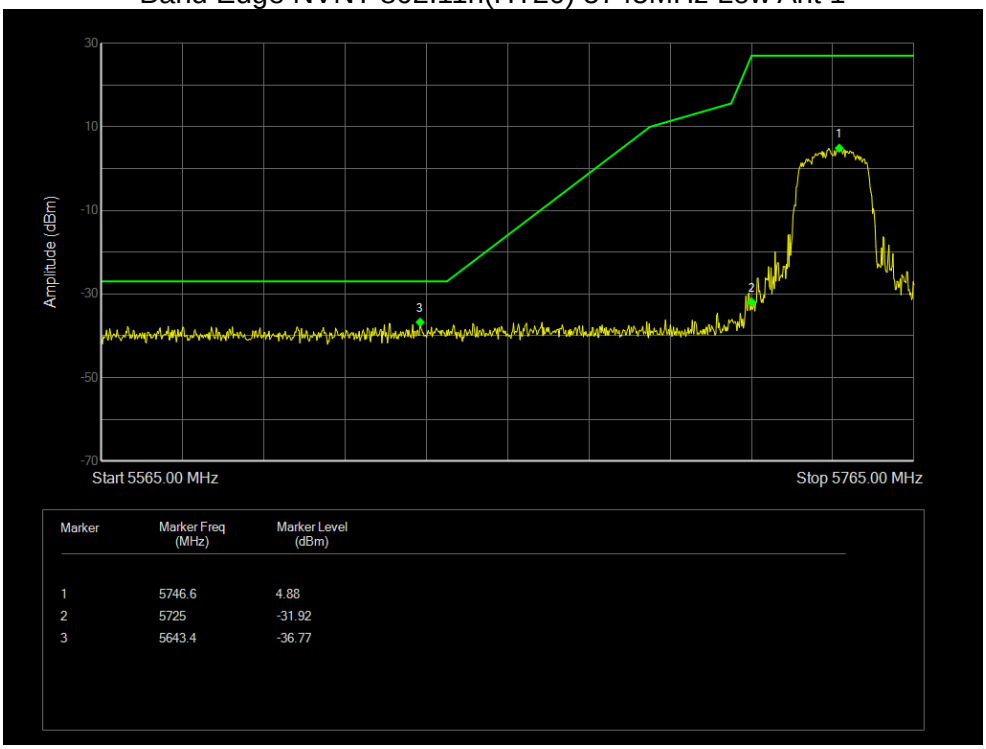
Band Edge NVNT 802.11ac80 5775MHz High Ant 2



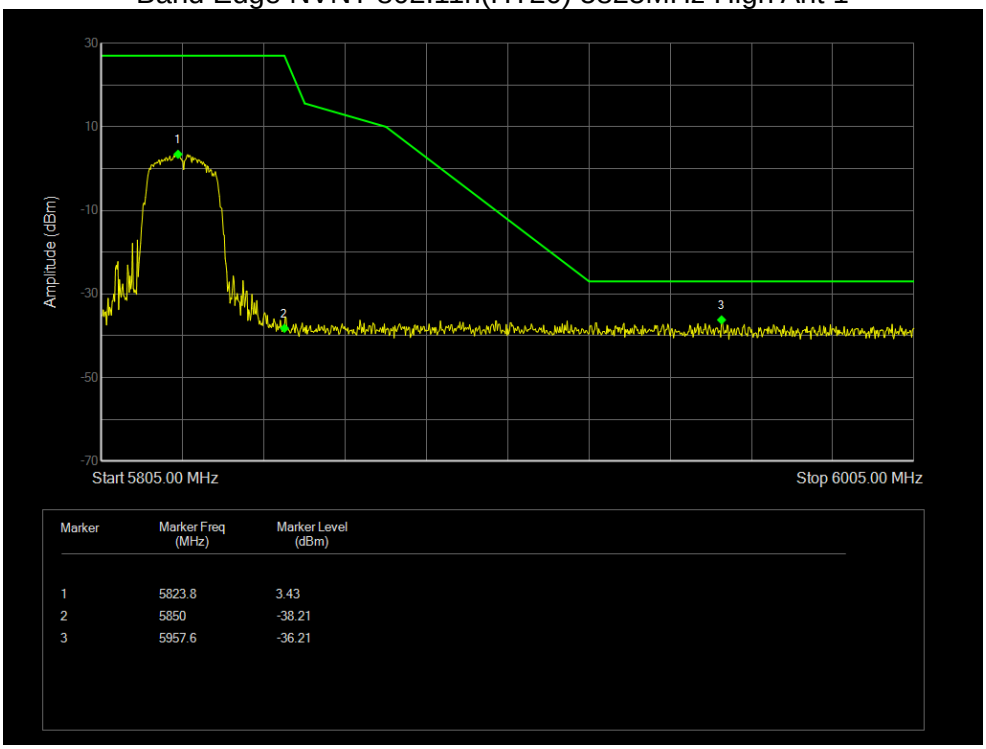
Band Edge NVNT 802.11ac80 5775MHz Low Ant 2



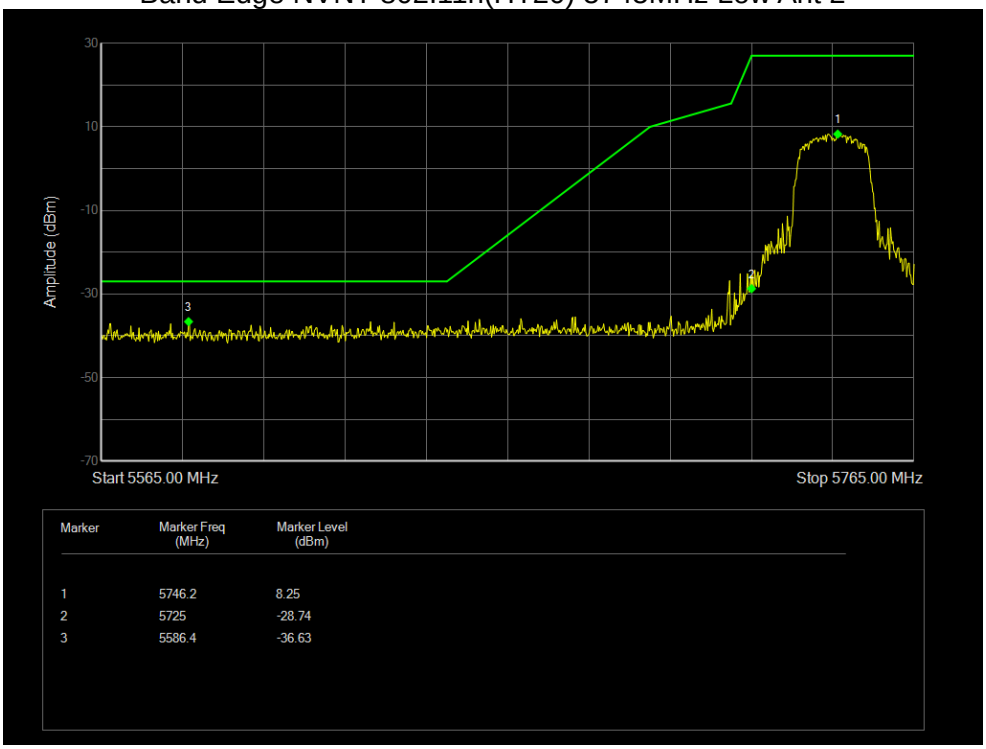
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant 1



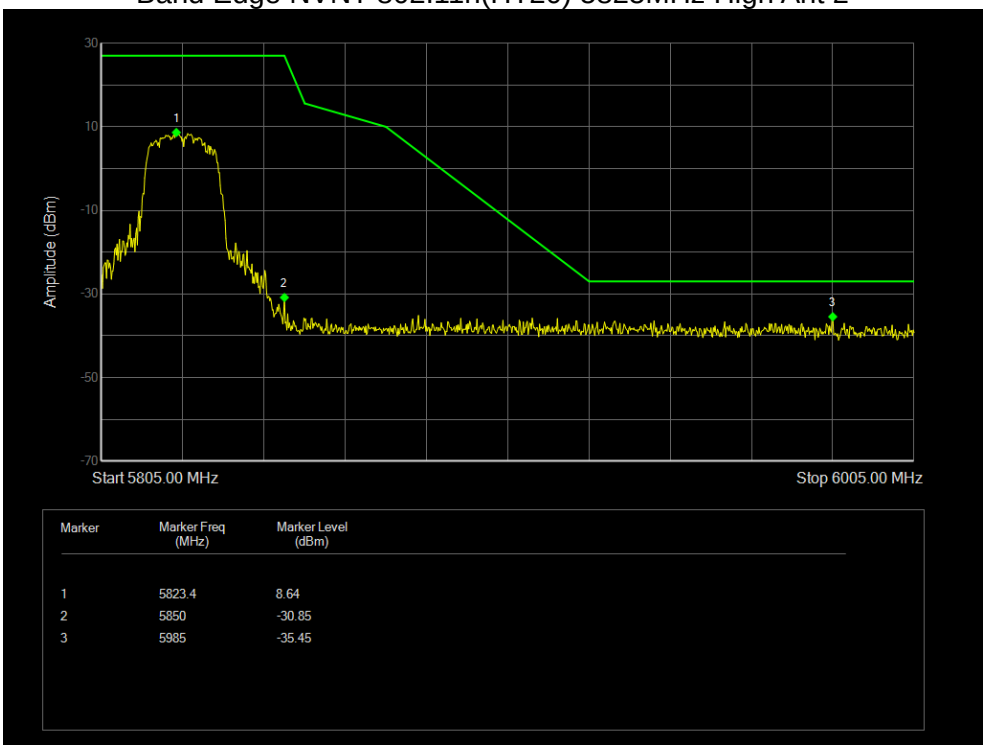
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant 1



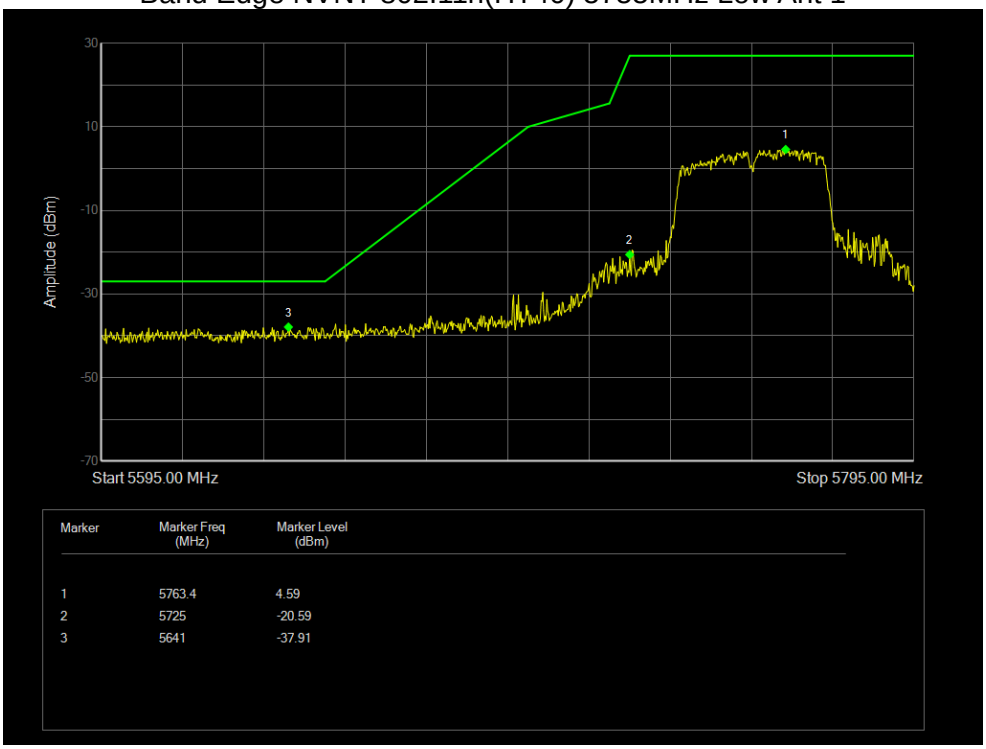
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant 2



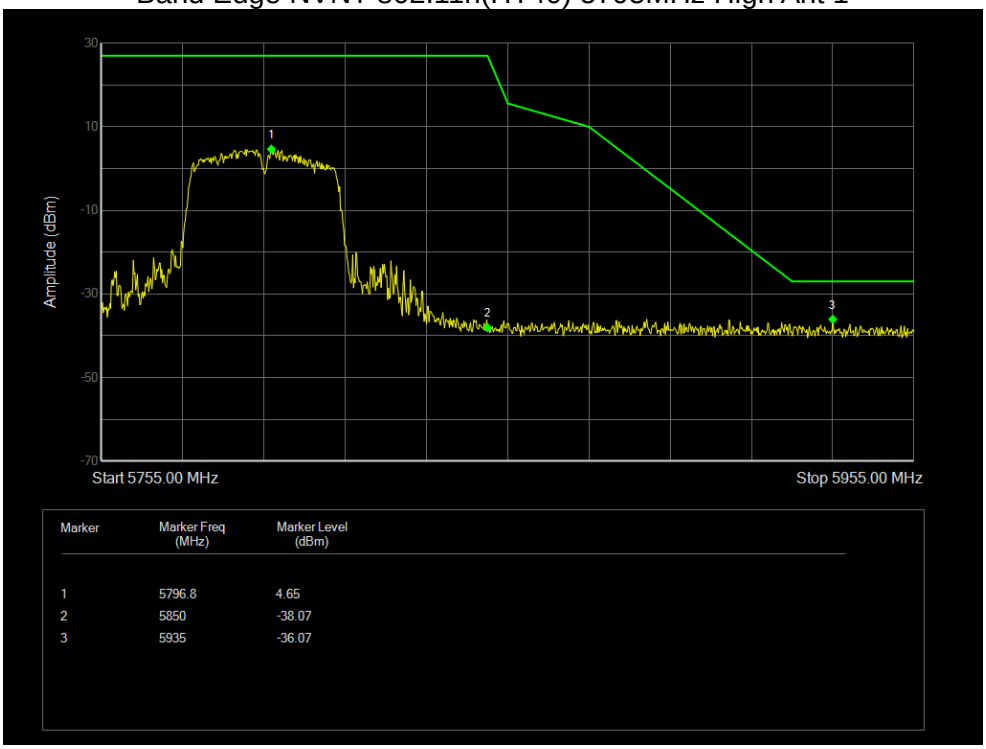
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant 2



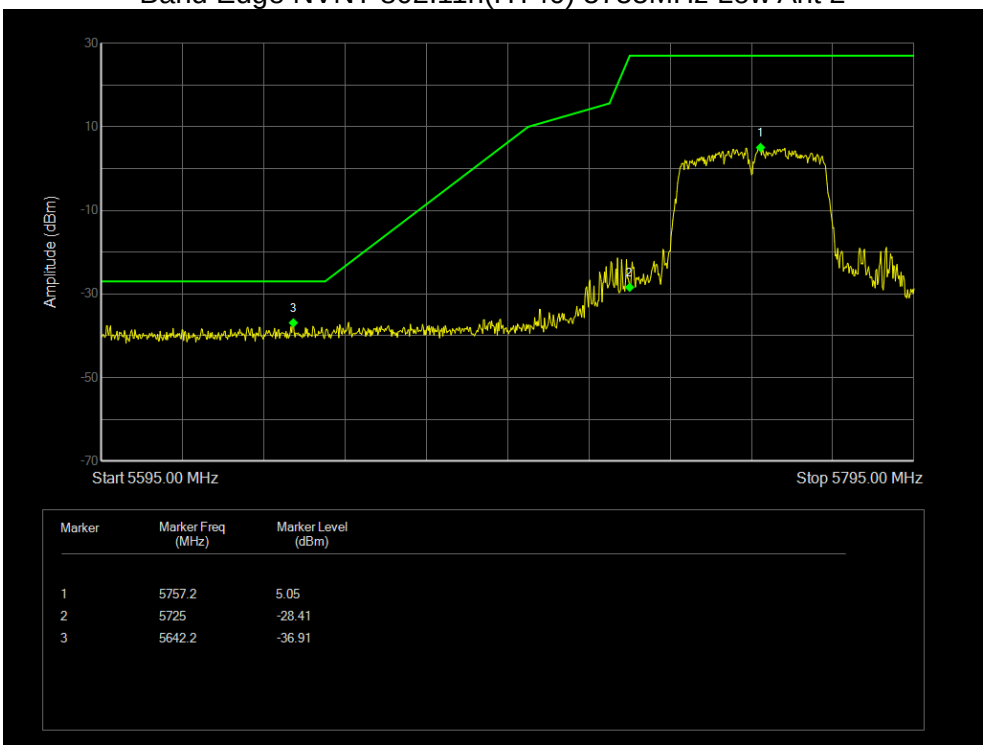
Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant 1



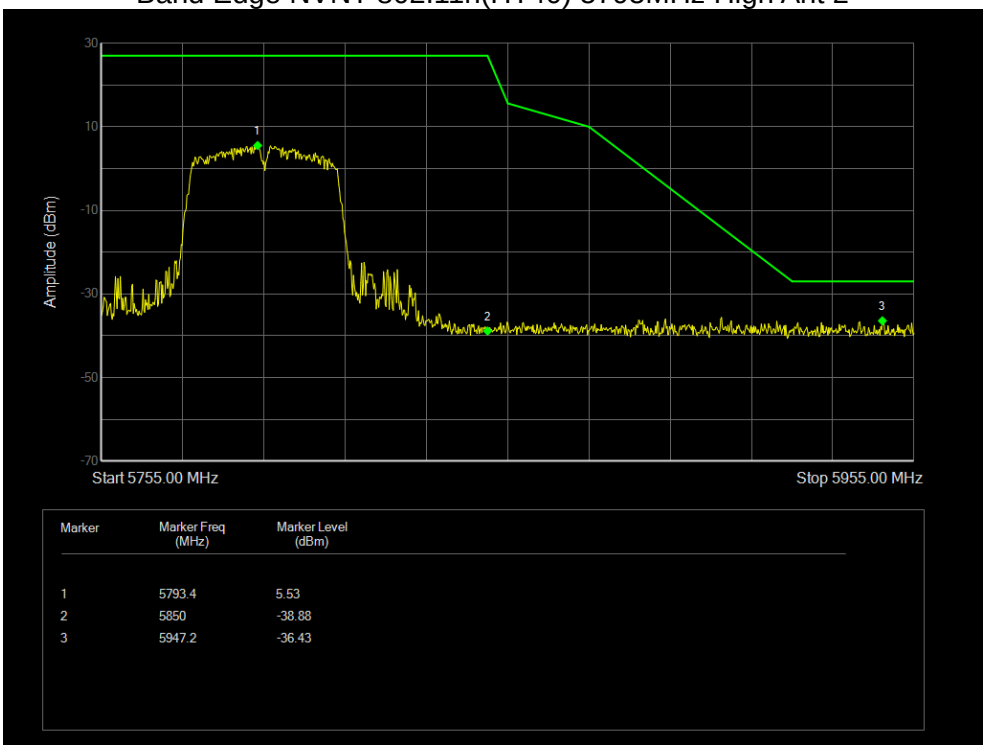
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant 1



Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant 2



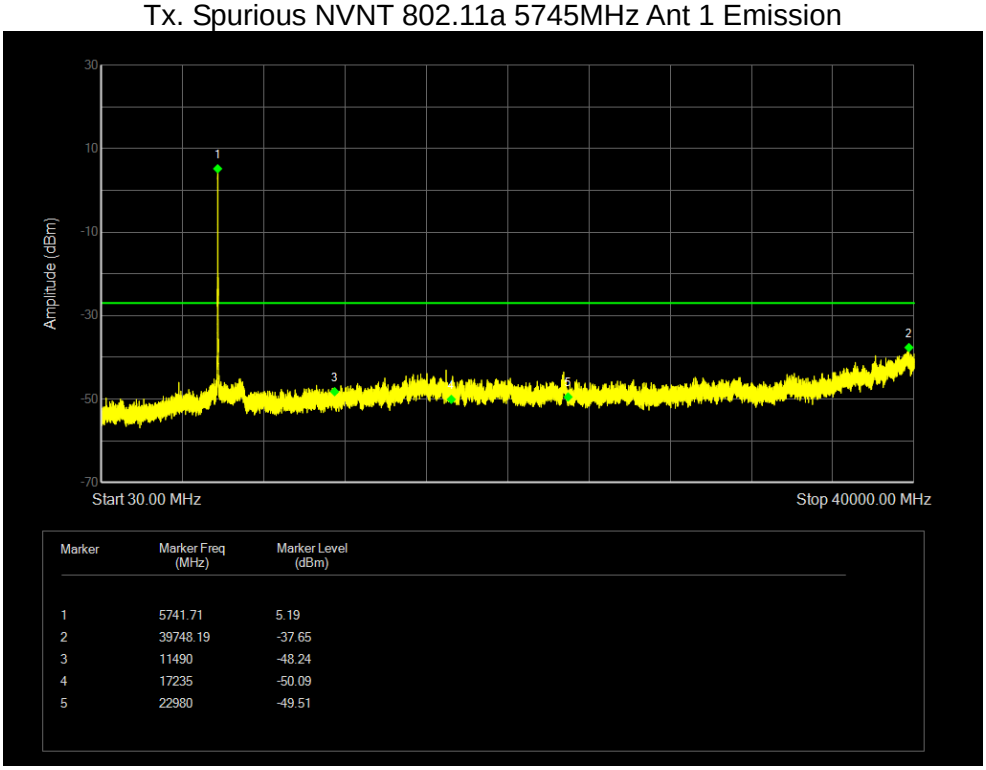
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant 2



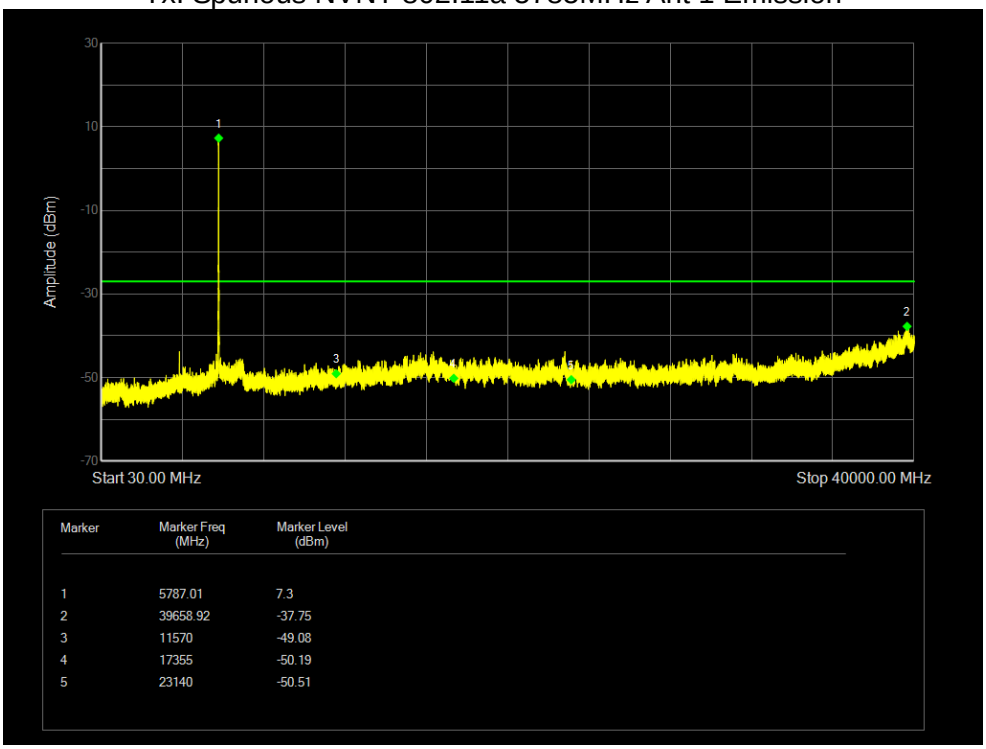
11.7 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11a	5745	Ant 1	-37.65	-27	Pass
NVNT	802.11a	5785	Ant 1	-37.75	-27	Pass
NVNT	802.11a	5825	Ant 1	-37.93	-27	Pass
NVNT	802.11a	5745	Ant 2	-37.31	-27	Pass
NVNT	802.11a	5785	Ant 2	-37.79	-27	Pass
NVNT	802.11a	5825	Ant 2	-38.64	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-38.43	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-37.79	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-44.11	-27	Pass
NVNT	802.11ac20	5745	Ant 2	-38.32	-27	Pass
NVNT	802.11ac20	5785	Ant 2	-37.53	-27	Pass
NVNT	802.11ac20	5825	Ant 2	-45.8	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-37.45	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-38.32	-27	Pass
NVNT	802.11ac40	5755	Ant 2	-38.21	-27	Pass
NVNT	802.11ac40	5795	Ant 2	-37.51	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-38.02	-27	Pass
NVNT	802.11ac80	5775	Ant 2	-38.46	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-38.19	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-36.94	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-37.44	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 2	-37.26	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 2	-36.25	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 2	-37.52	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-38.58	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-38	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 2	-38.25	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 2	-37.72	-27	Pass

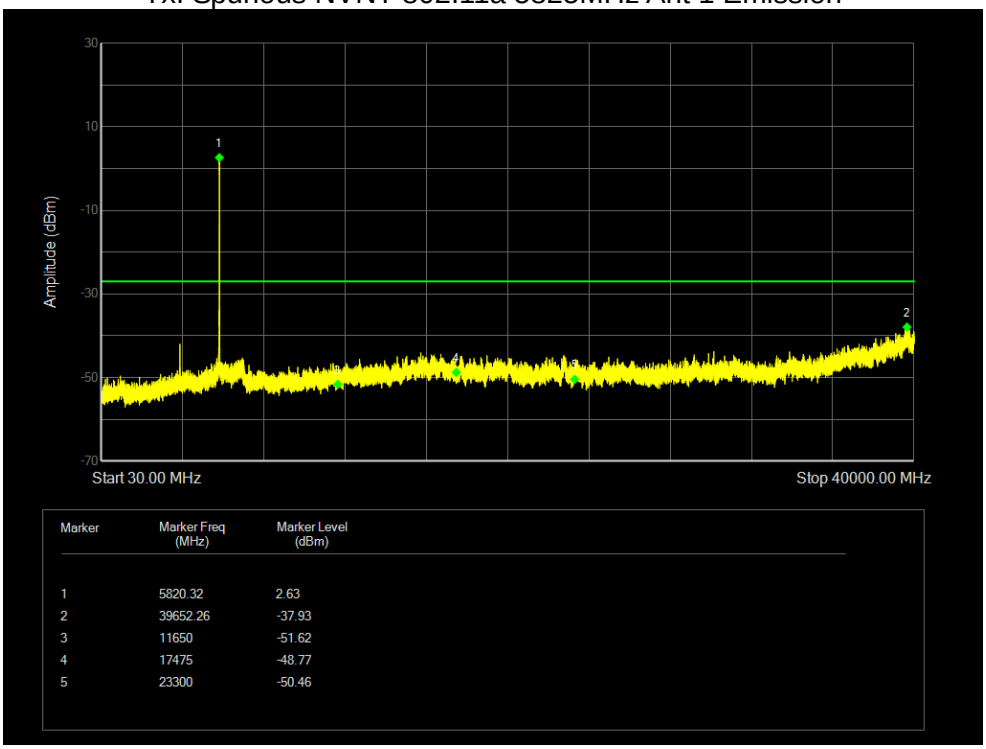
Tx. Spurious NVNT 802.11a 5745MHz Ant 1 Emission



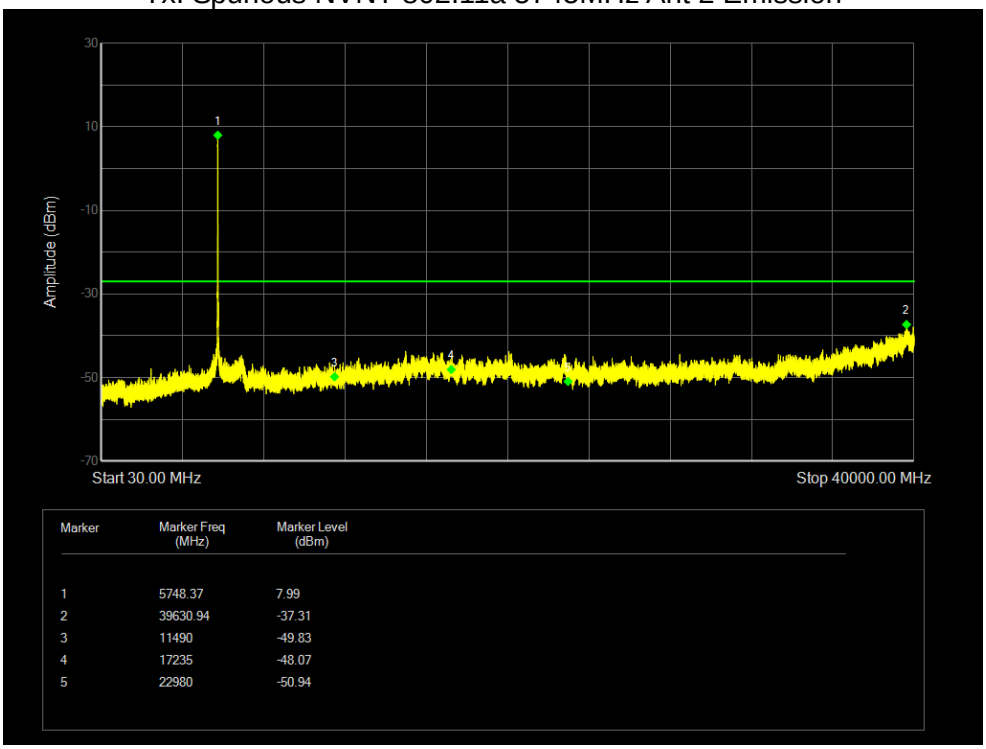
Tx. Spurious NVNT 802.11a 5785MHz Ant 1 Emission



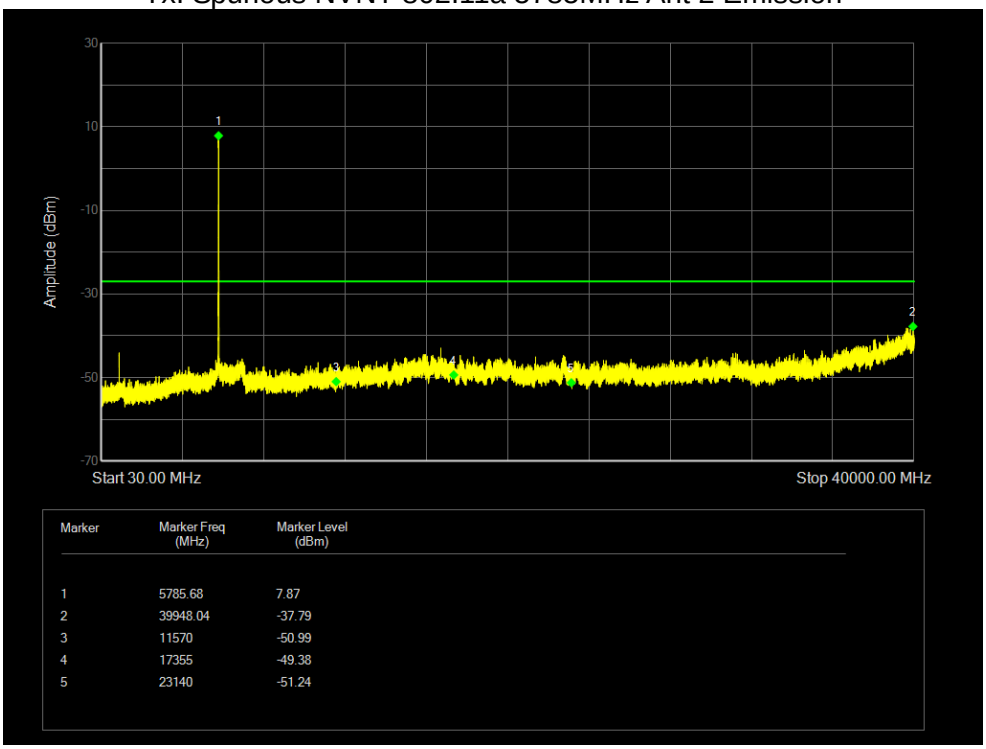
Tx. Spurious NVNT 802.11a 5825MHz Ant 1 Emission



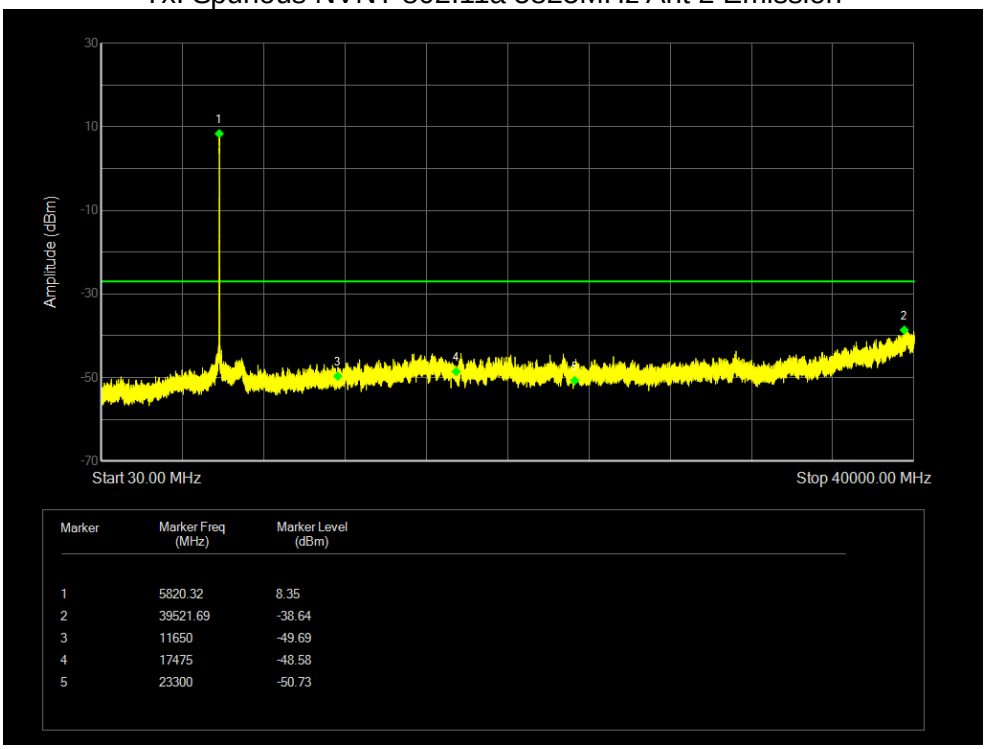
Tx. Spurious NVNT 802.11a 5745MHz Ant 2 Emission



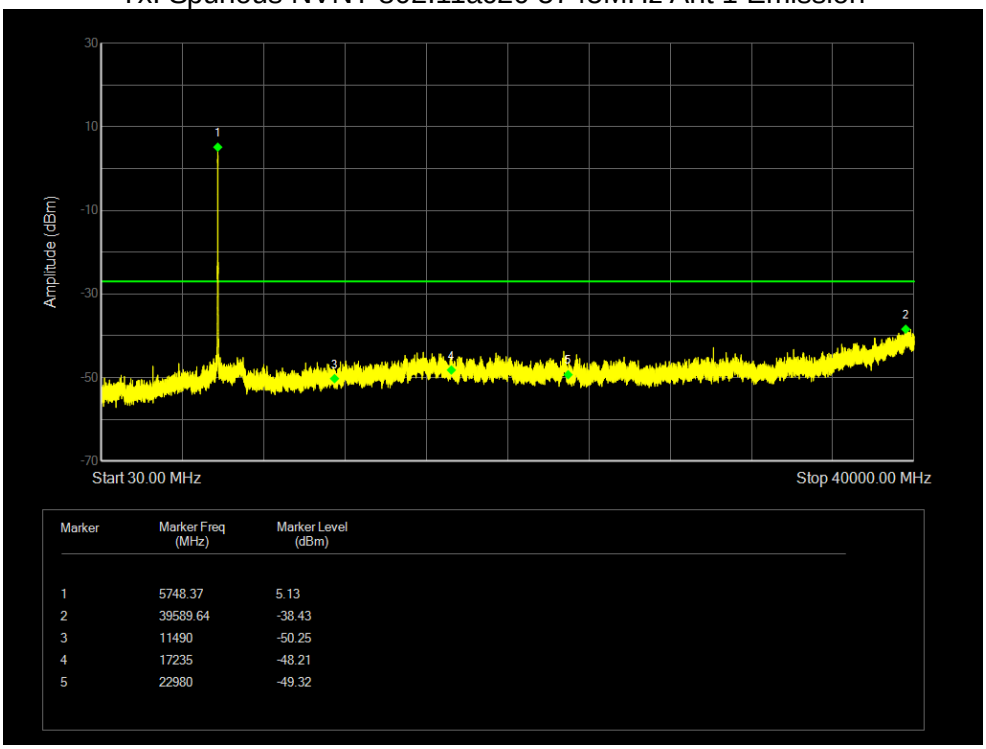
Tx. Spurious NVNT 802.11a 5785MHz Ant 2 Emission



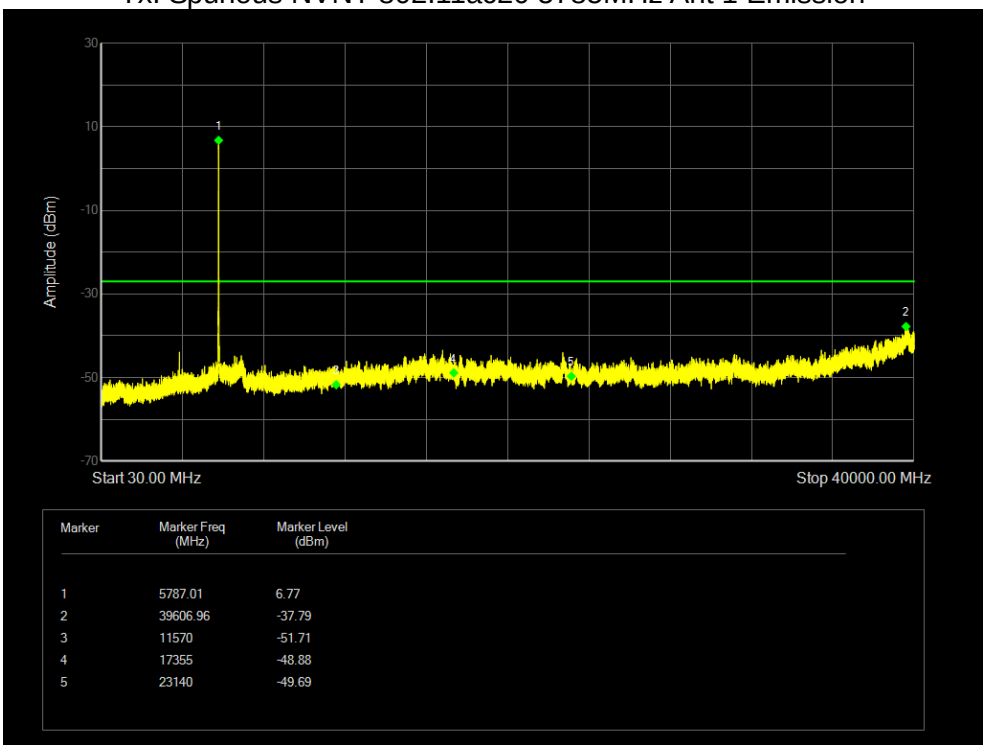
Tx. Spurious NVNT 802.11a 5825MHz Ant 2 Emission



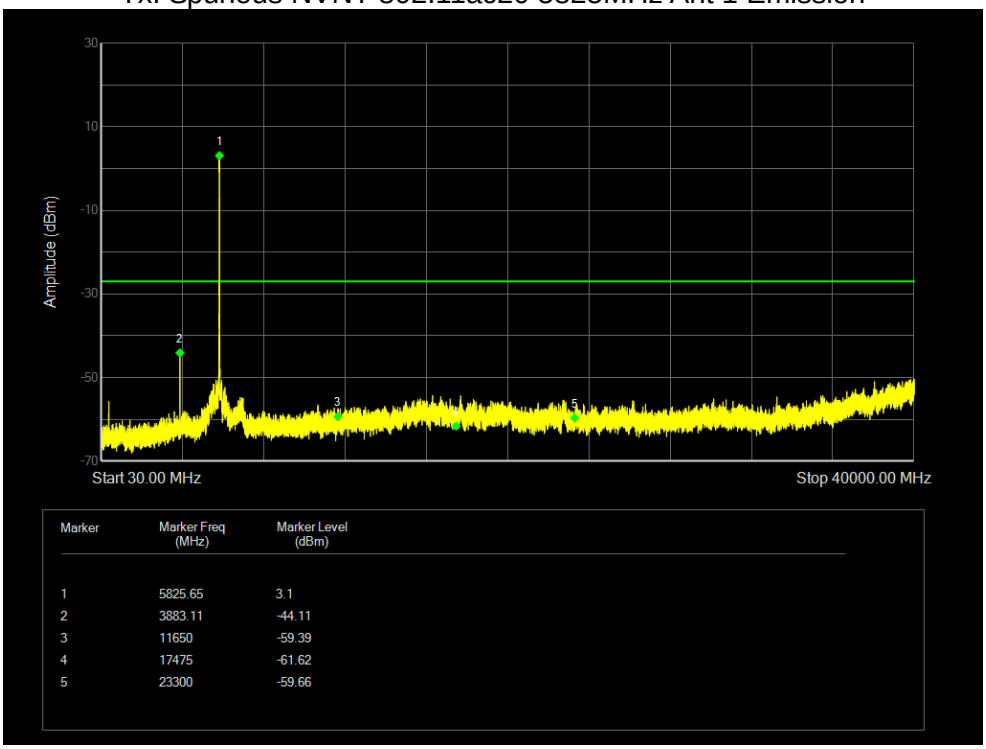
Tx. Spurious NVNT 802.11ac20 5745MHz Ant 1 Emission



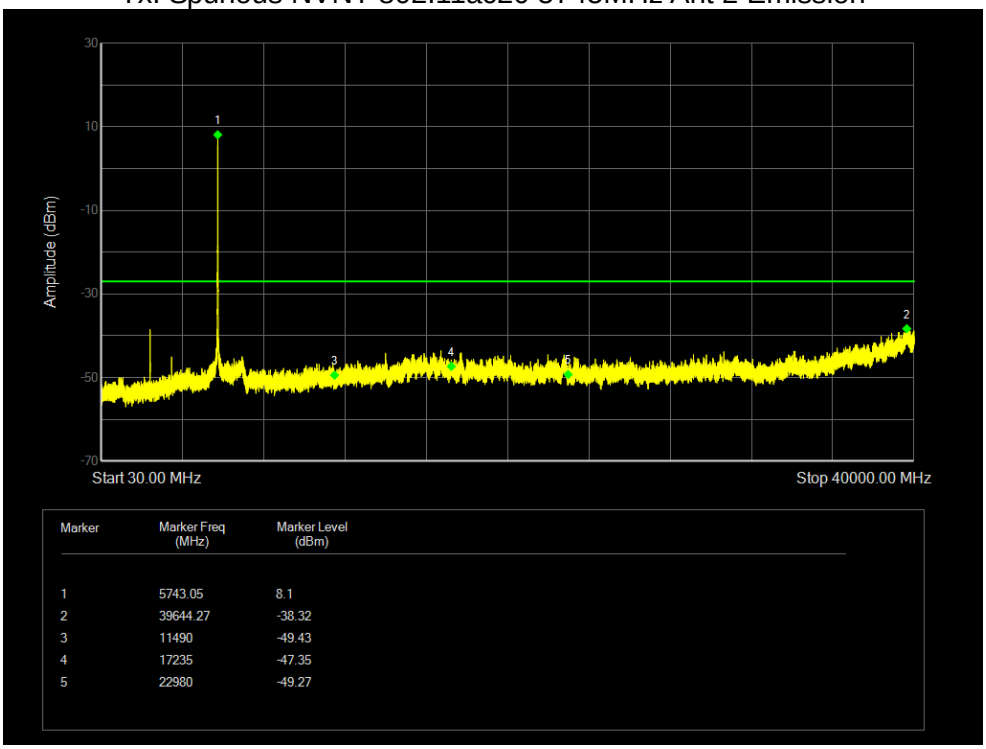
Tx. Spurious NVNT 802.11ac20 5785MHz Ant 1 Emission



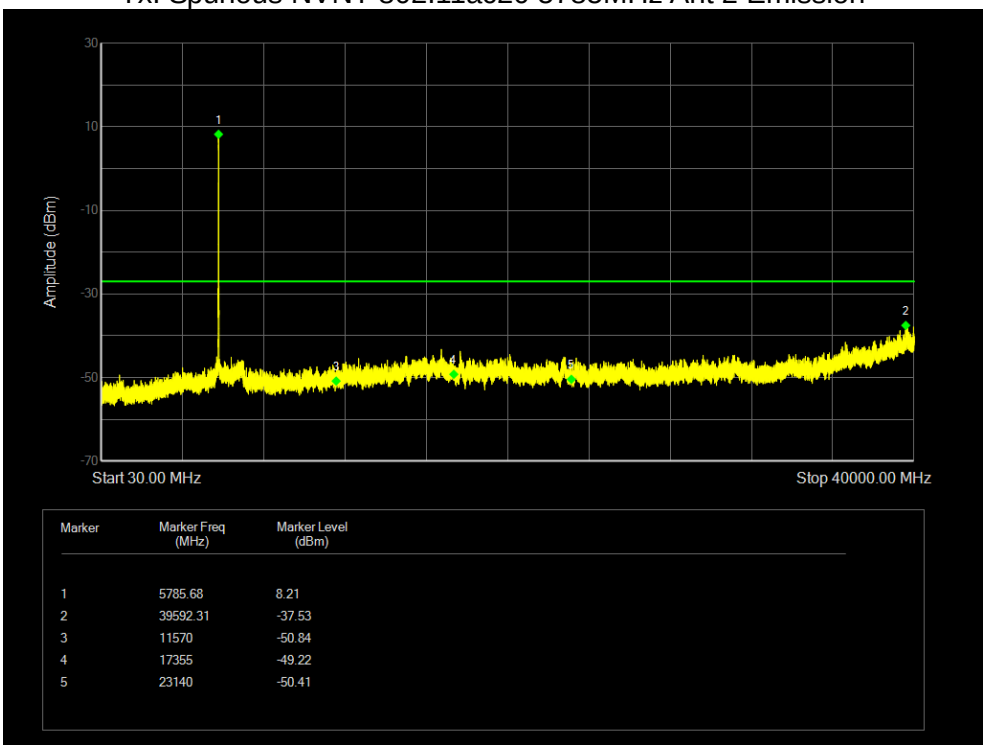
Tx. Spurious NVNT 802.11ac20 5825MHz Ant 1 Emission



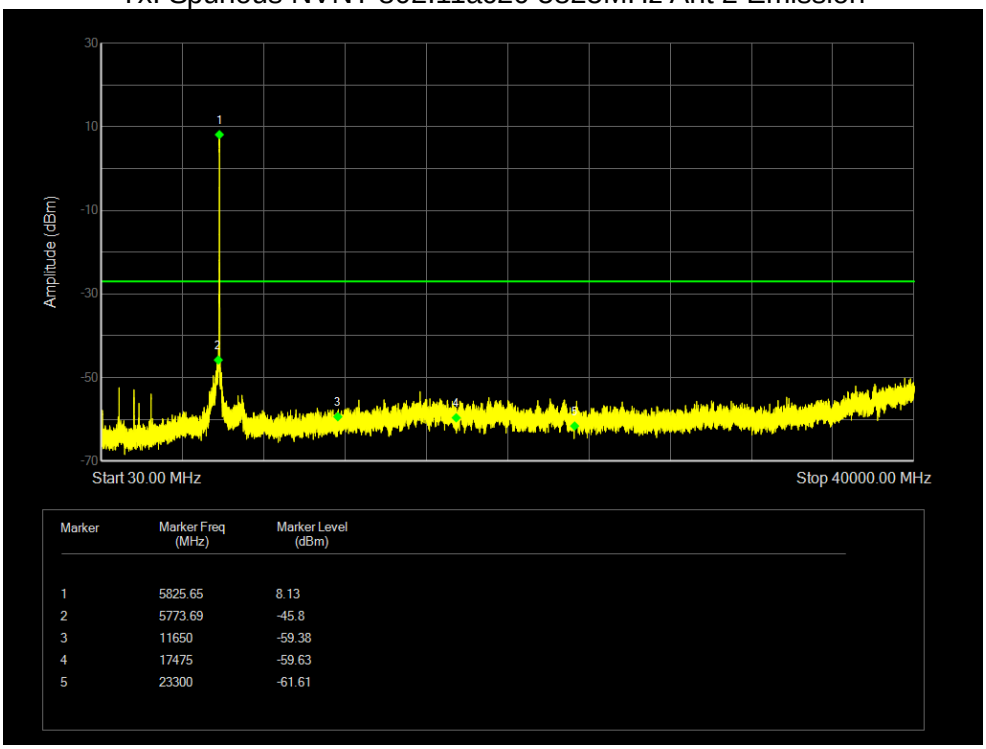
Tx. Spurious NVNT 802.11ac20 5745MHz Ant 2 Emission



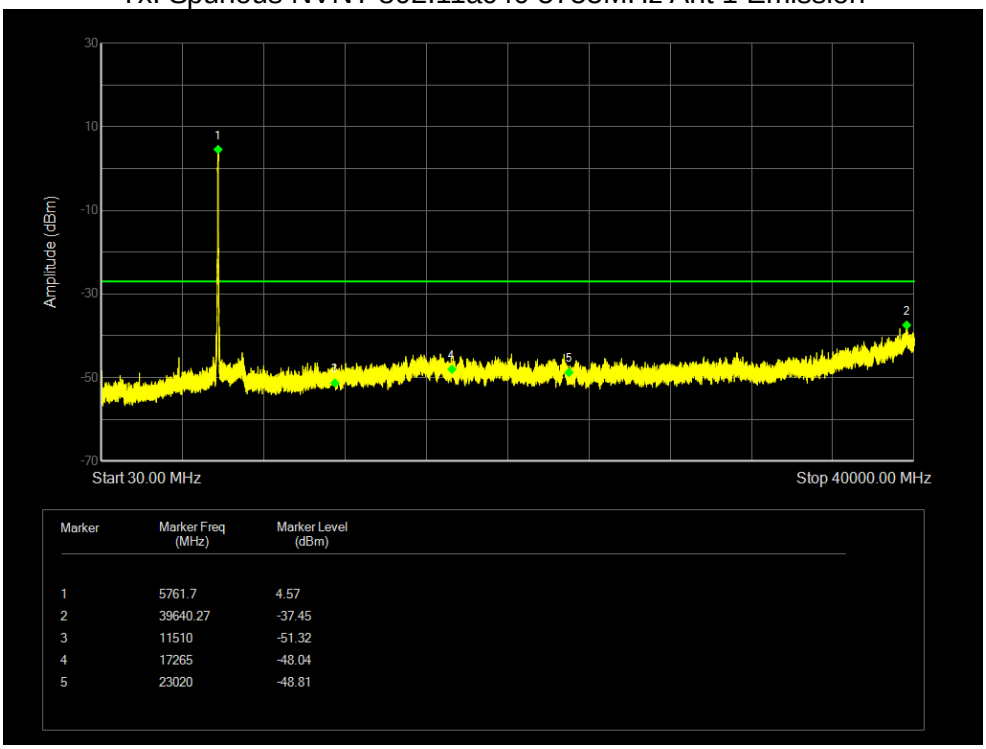
Tx. Spurious NVNT 802.11ac20 5785MHz Ant 2 Emission



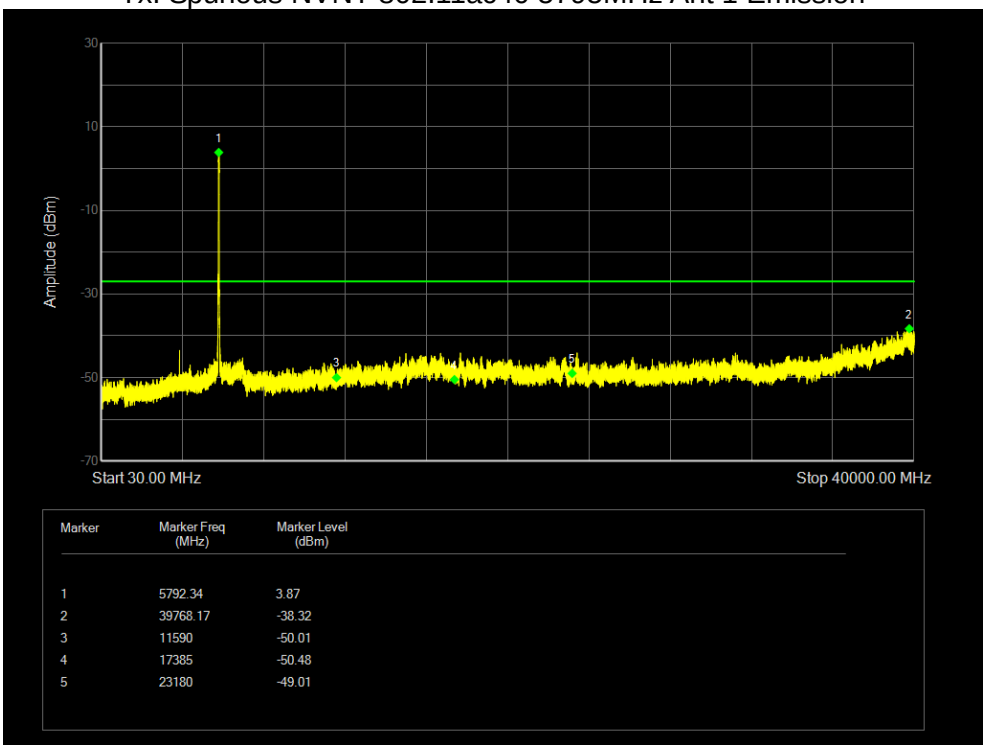
Tx. Spurious NVNT 802.11ac20 5825MHz Ant 2 Emission



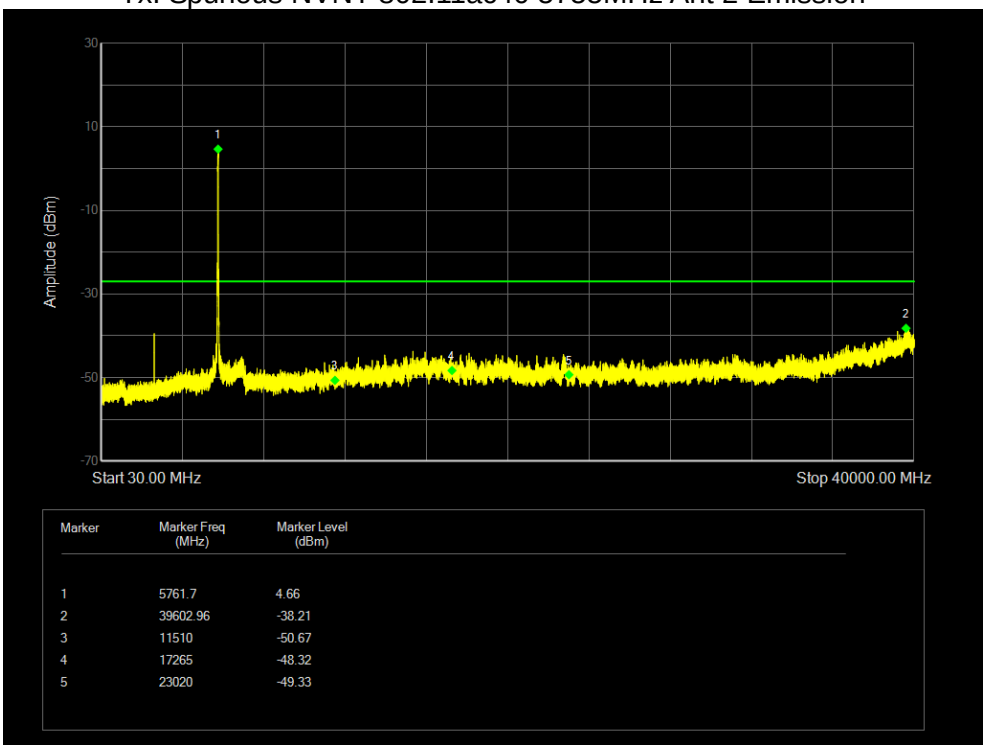
Tx. Spurious NVNT 802.11ac40 5755MHz Ant 1 Emission



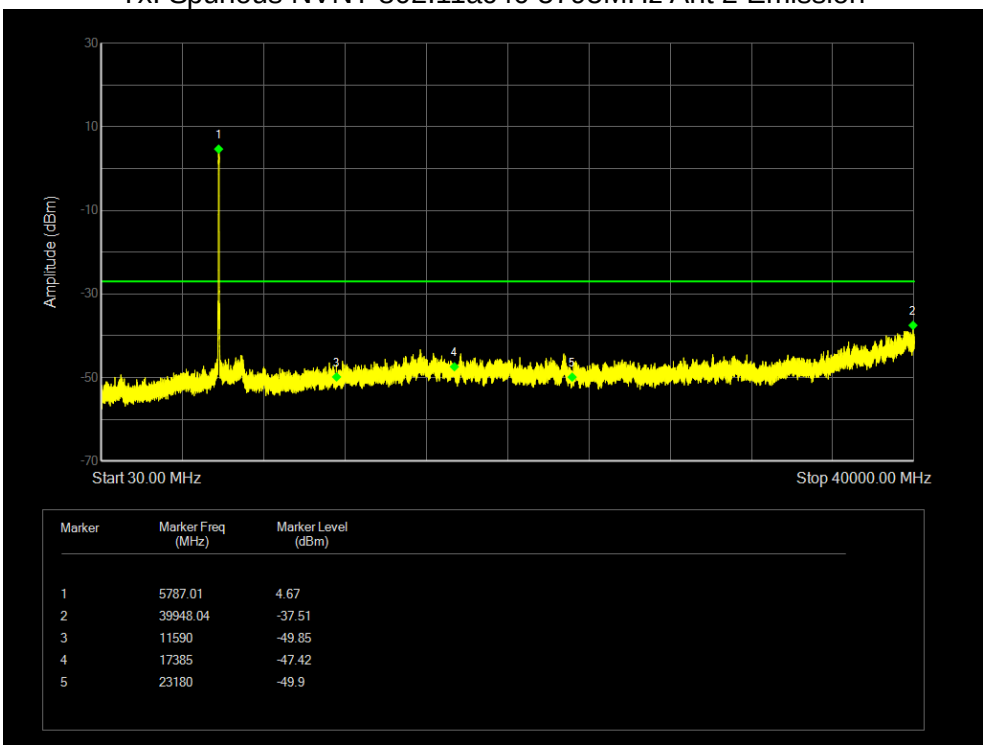
Tx. Spurious NVNT 802.11ac40 5795MHz Ant 1 Emission



Tx. Spurious NVNT 802.11ac40 5755MHz Ant 2 Emission



Tx. Spurious NVNT 802.11ac40 5795MHz Ant 2 Emission



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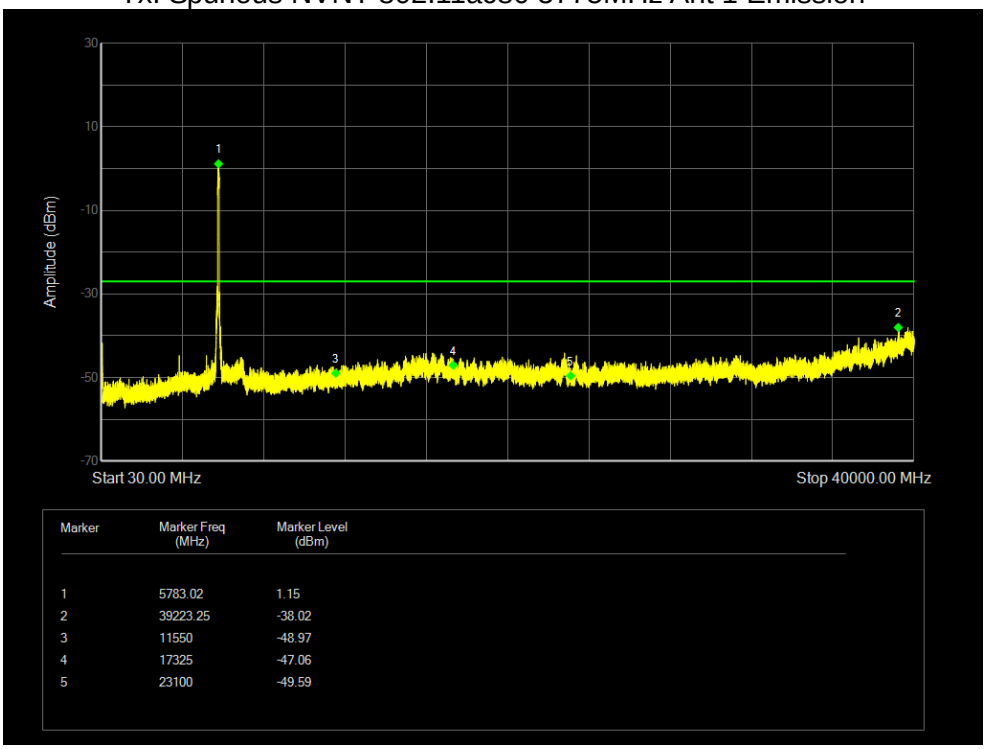

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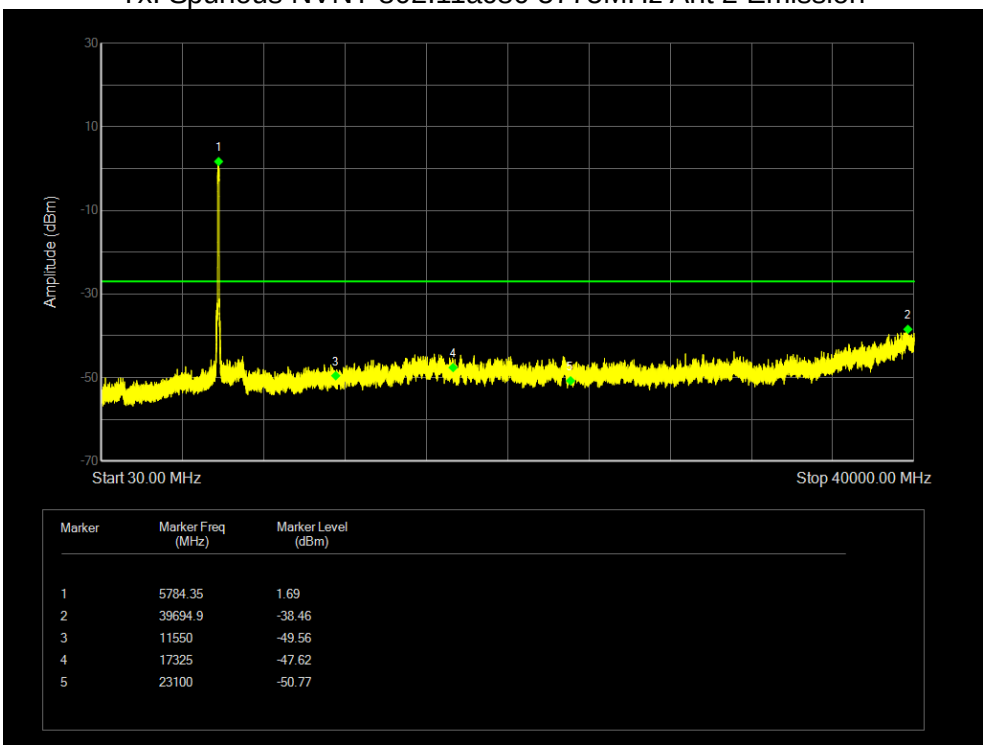
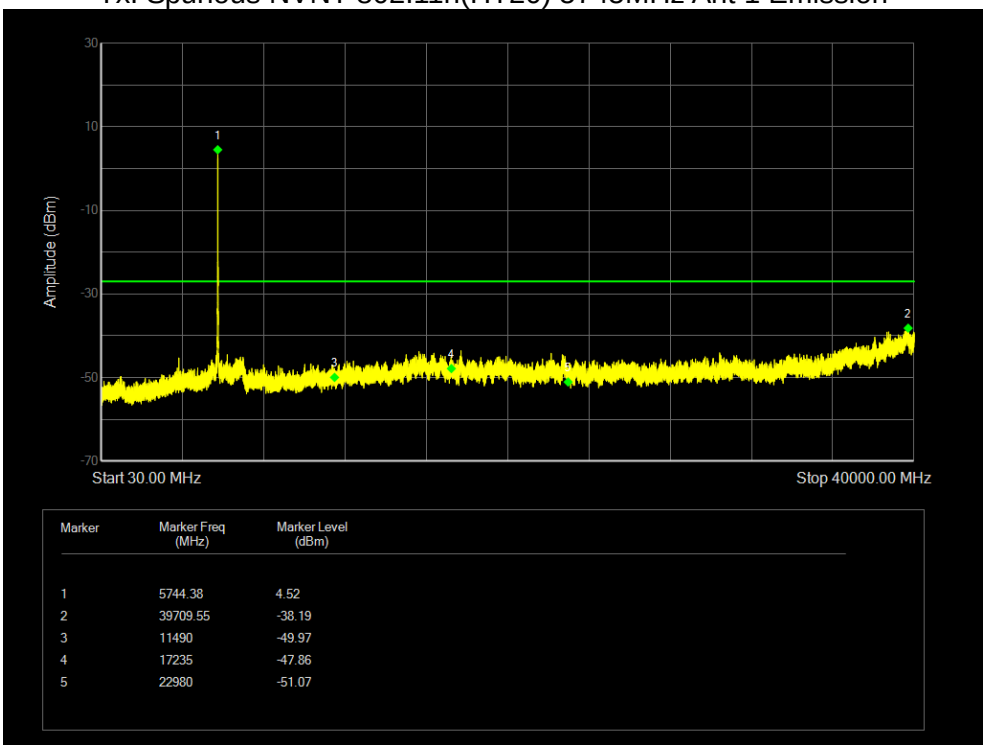
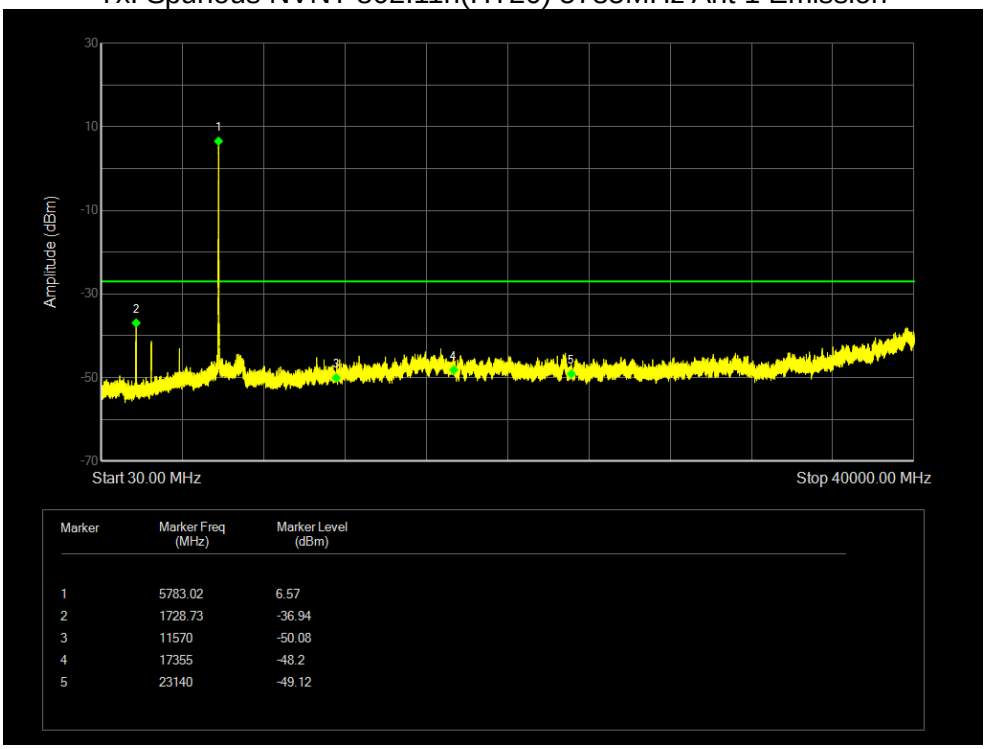


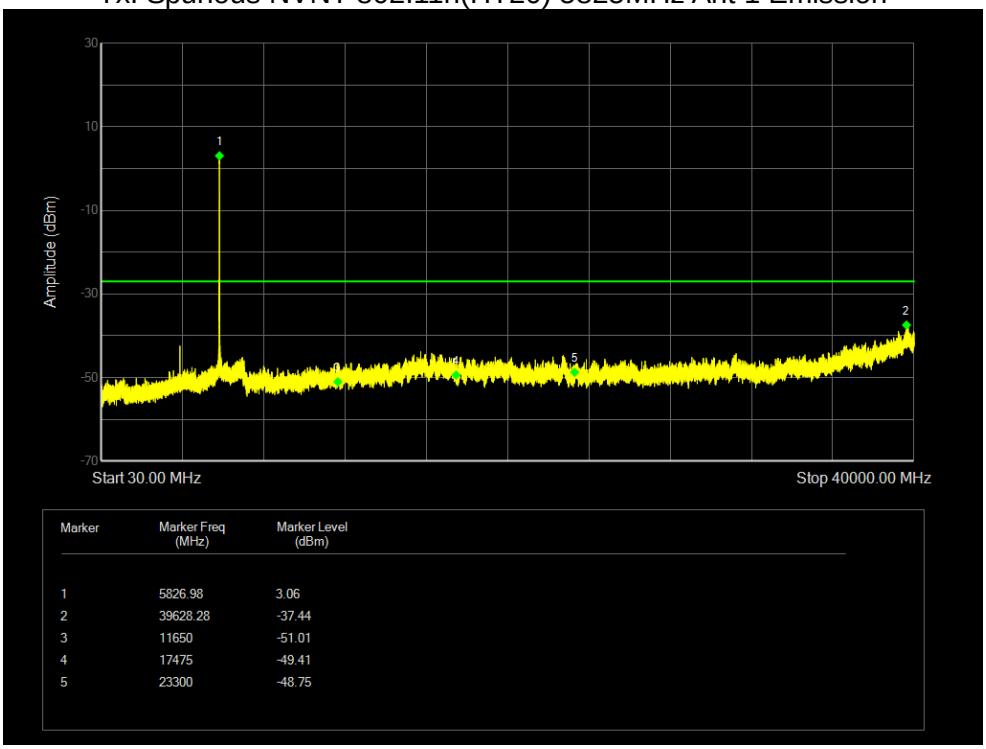
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant 1 Emission



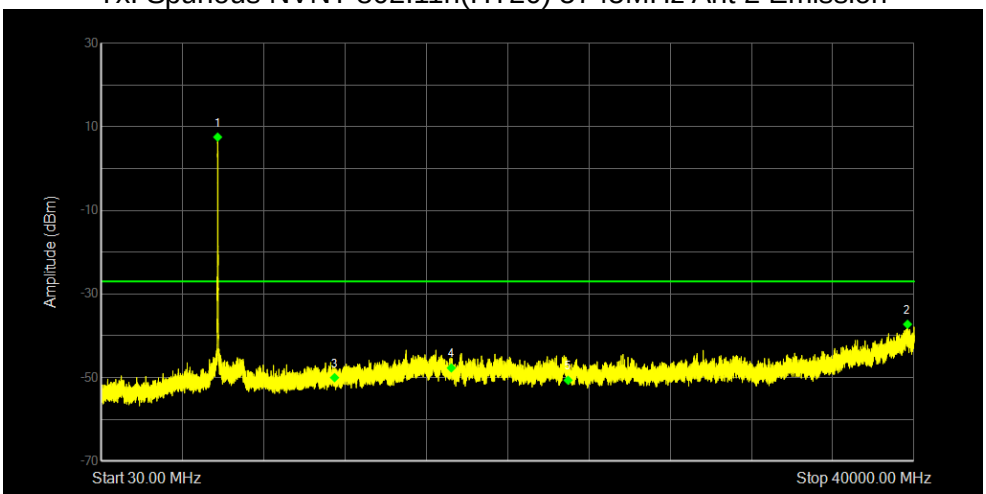
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant 1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant 1 Emission

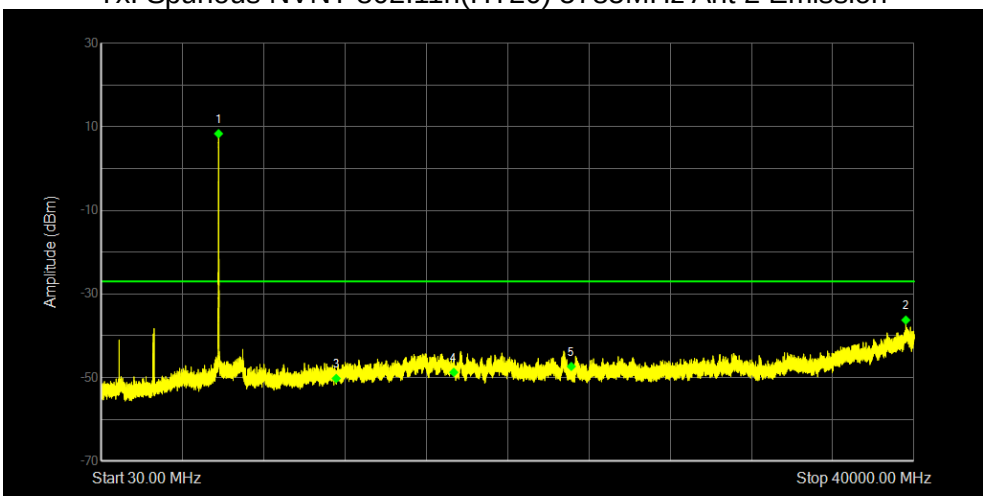


Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant 2 Emission



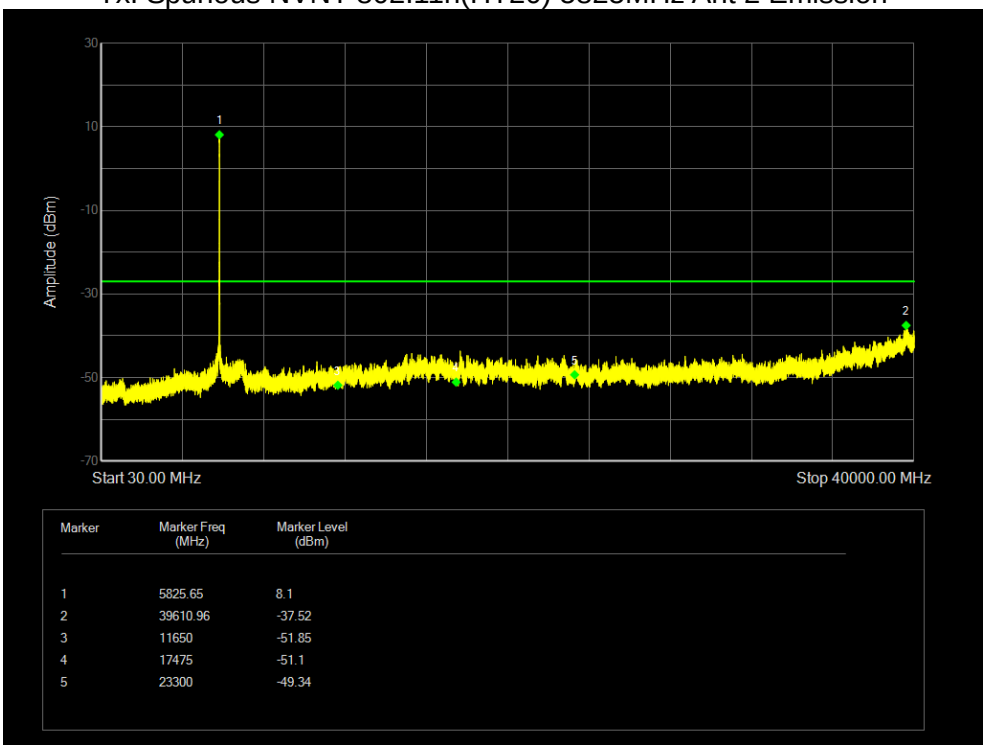
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5741.71	7.54
2	39677.58	-37.26
3	11490	-50.03
4	17235	-47.7
5	22980	-50.66

Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant 2 Emission

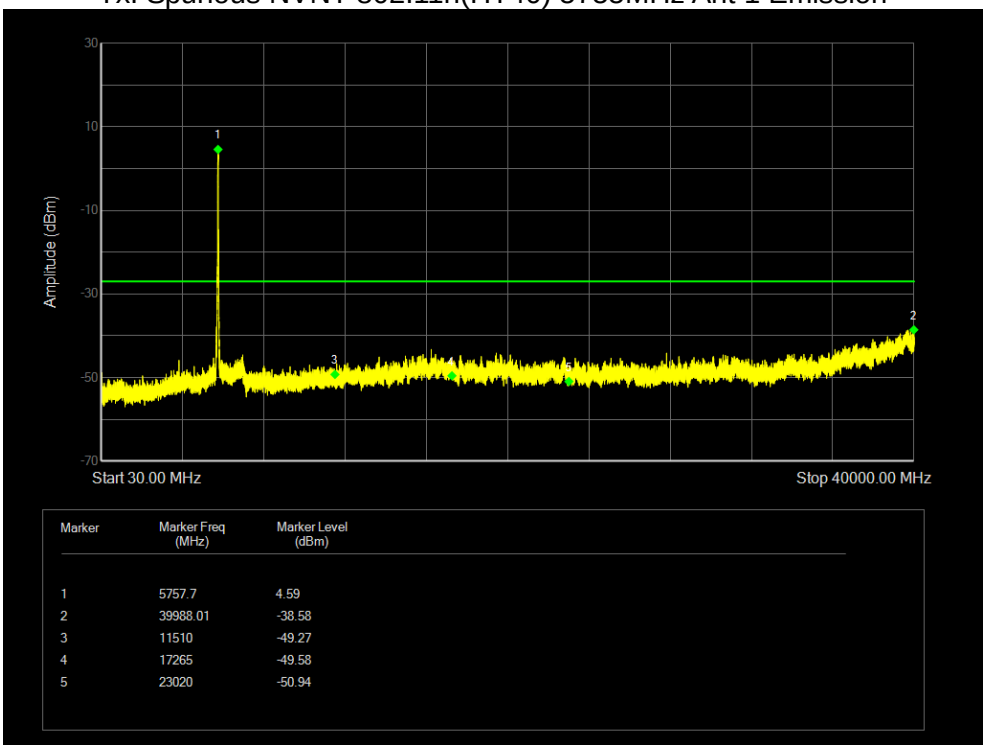


Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5783.02	8.35
2	39593.64	-36.25
3	11570	-50.23
4	17355	-48.75
5	23140	-47.35

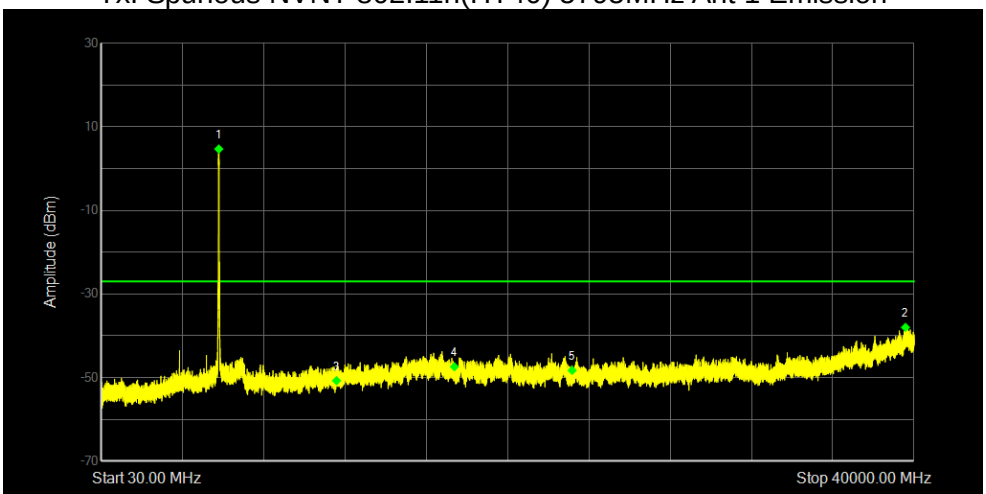
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant 2 Emission



Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant 1 Emission

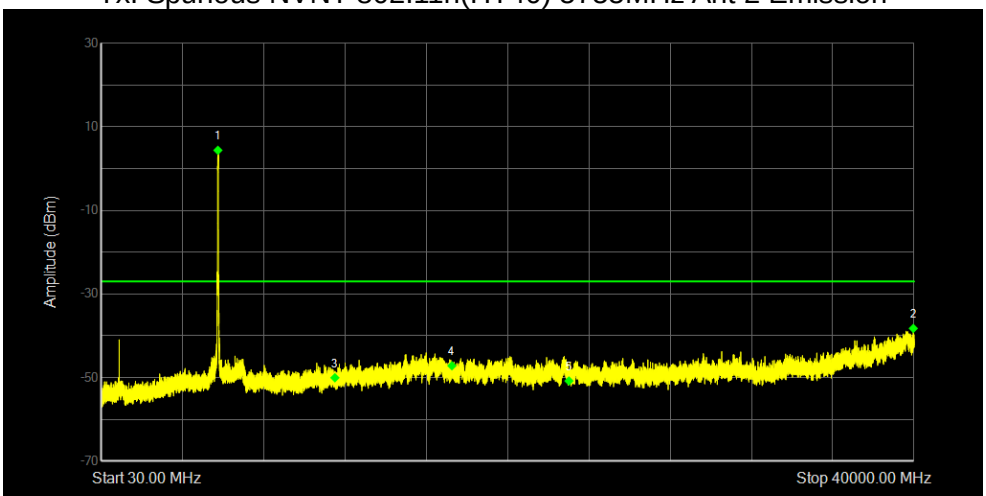


Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant 1 Emission



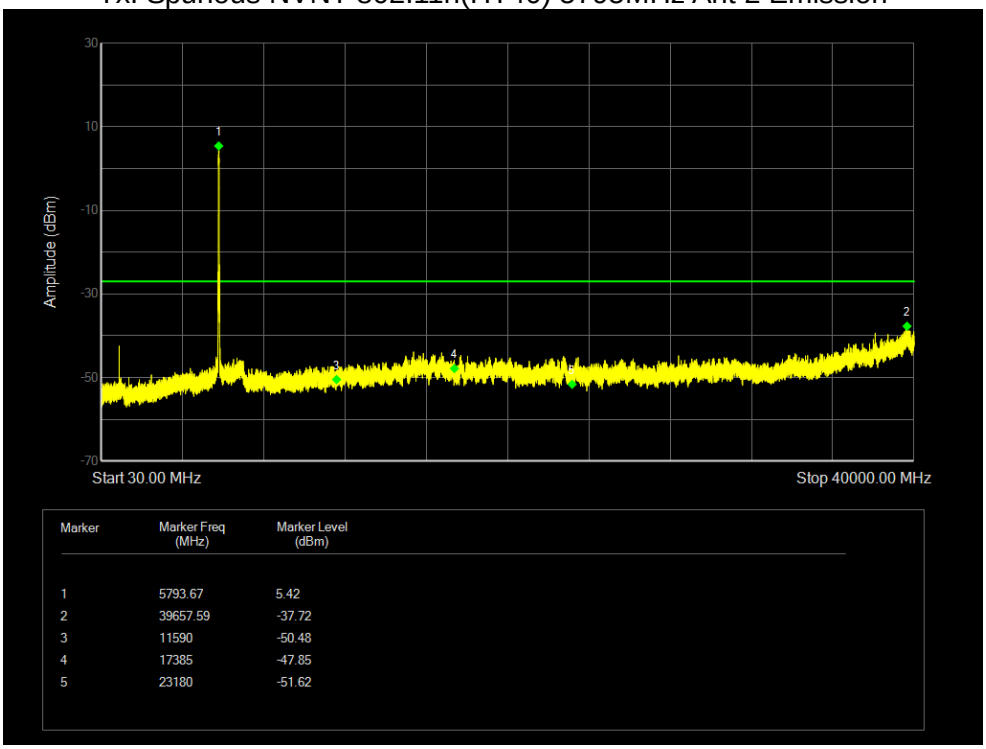
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5796.34	4.69
2	39576.32	-38
3	11590	-50.75
4	17385	-47.42
5	23180	-48.29

Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant 2 Emission



Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5752.37	4.39
2	39964.03	-38.25
3	11510	-50.05
4	17265	-47.19
5	23020	-50.81

Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant 2 Emission



Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5793.67	5.42
2	39657.59	-37.72
3	11590	-50.48
4	17385	-47.85
5	23180	-51.62

5.8G WIFI MIMO

11.8 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	MIMO Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11ac20	5745	Ant 1	9.39	0.18	9.57	13.04	30	Pass
NVNT	802.11ac20	5745	Ant 2	10.27	0.18	10.45		30	Pass
NVNT	802.11ac20	5785	Ant 1	9.83	0.18	10.01	13.22	30	Pass
NVNT	802.11ac20	5785	Ant 2	10.23	0.18	10.41		30	Pass
NVNT	802.11ac20	5825	Ant 1	9.73	0.18	9.91	13.19	30	Pass
NVNT	802.11ac20	5825	Ant 2	10.26	0.18	10.44		30	Pass
NVNT	802.11ac40	5755	Ant 1	9.34	0.35	9.69	12.94	30	Pass
NVNT	802.11ac40	5755	Ant 2	9.81	0.35	10.16		30	Pass
NVNT	802.11ac40	5795	Ant 1	9.33	0.35	9.68	13.05	30	Pass
NVNT	802.11ac40	5795	Ant 2	10.03	0.35	10.38		30	Pass
NVNT	802.11ac80	5775	Ant 1	8.75	0.8	9.55	12.92	30	Pass
NVNT	802.11ac80	5775	Ant 2	9.57	0.68	10.25		30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	9.39	0.18	9.57	13.07	30	Pass
NVNT	802.11n(HT20)	5745	Ant 2	10.32	0.18	10.5		30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	8.89	0.18	9.07	12.79	30	Pass
NVNT	802.11n(HT20)	5785	Ant 2	10.21	0.18	10.39		30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	9.74	0.18	9.92	13.25	30	Pass
NVNT	802.11n(HT20)	5825	Ant 2	10.36	0.18	10.54		30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	9.37	0.35	9.72	12.93	30	Pass
NVNT	802.11n(HT40)	5755	Ant 2	9.76	0.35	10.11		30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	10.38	0.35	10.73	13.54	30	Pass
NVNT	802.11n(HT40)	5795	Ant 2	9.97	0.35	10.32		30	Pass

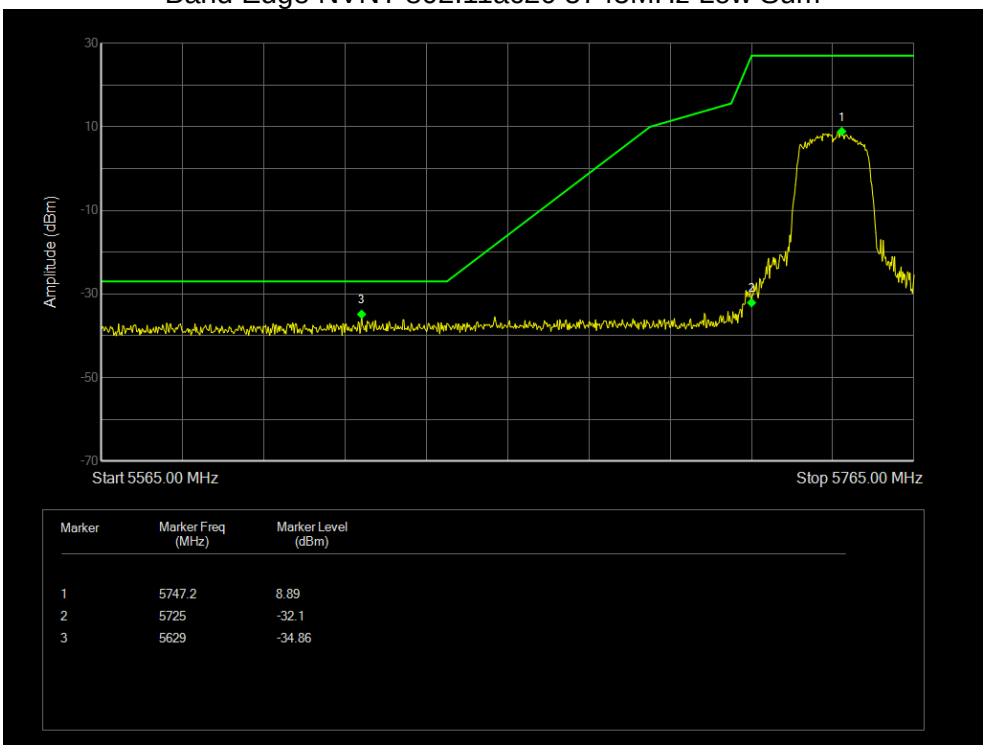
11.9 MAXIMUM POWER SPECTRAL DENSITY LEVEL

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	MIMO PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11ac20	5745	Ant 1	-7.092	0.18	-6.912	-2.46	27.14	Pass
NVNT	802.11ac20	5745	Ant 2	-4.562	0.18	-4.382			
NVNT	802.11ac20	5785	Ant 1	-6.466	0.18	-6.286	-2.53	27.14	Pass
NVNT	802.11ac20	5785	Ant 2	-5.092	0.18	-4.912			
NVNT	802.11ac20	5825	Ant 1	-10.283	0.18	-10.103	-3.53	27.14	Pass
NVNT	802.11ac20	5825	Ant 2	-4.784	0.18	-4.604			
NVNT	802.11ac40	5755	Ant 1	-10.036	0.35	-9.686	-6.67	27.14	Pass
NVNT	802.11ac40	5755	Ant 2	-10.024	0.35	-9.674			
NVNT	802.11ac40	5795	Ant 1	-9.855	0.35	-9.505	-6.30	27.14	Pass
NVNT	802.11ac40	5795	Ant 2	-9.474	0.35	-9.124			
NVNT	802.11ac80	5775	Ant 1	-16.644	0.8	-15.844	-12.79	27.14	Pass
NVNT	802.11ac80	5775	Ant 2	-16.442	0.68	-15.762			
NVNT	802.11n(HT20)	5745	Ant 1	-8.641	0.18	-8.461	-3.19	27.14	Pass
NVNT	802.11n(HT20)	5745	Ant 2	-4.905	0.18	-4.725			
NVNT	802.11n(HT20)	5785	Ant 1	-6.506	0.18	-6.326	-2.43	27.14	Pass
NVNT	802.11n(HT20)	5785	Ant 2	-4.893	0.18	-4.713			
NVNT	802.11n(HT20)	5825	Ant 1	-9.585	0.18	-9.405	-3.30	27.14	Pass
NVNT	802.11n(HT20)	5825	Ant 2	-4.699	0.18	-4.519			
NVNT	802.11n(HT40)	5755	Ant 1	-12.045	0.35	-11.695	-8.06	27.14	Pass
NVNT	802.11n(HT40)	5755	Ant 2	-10.879	0.35	-10.529			
NVNT	802.11n(HT40)	5795	Ant 1	-10.752	0.35	-10.402	-7.33	27.14	Pass
NVNT	802.11n(HT40)	5795	Ant 2	-10.621	0.35	-10.271			

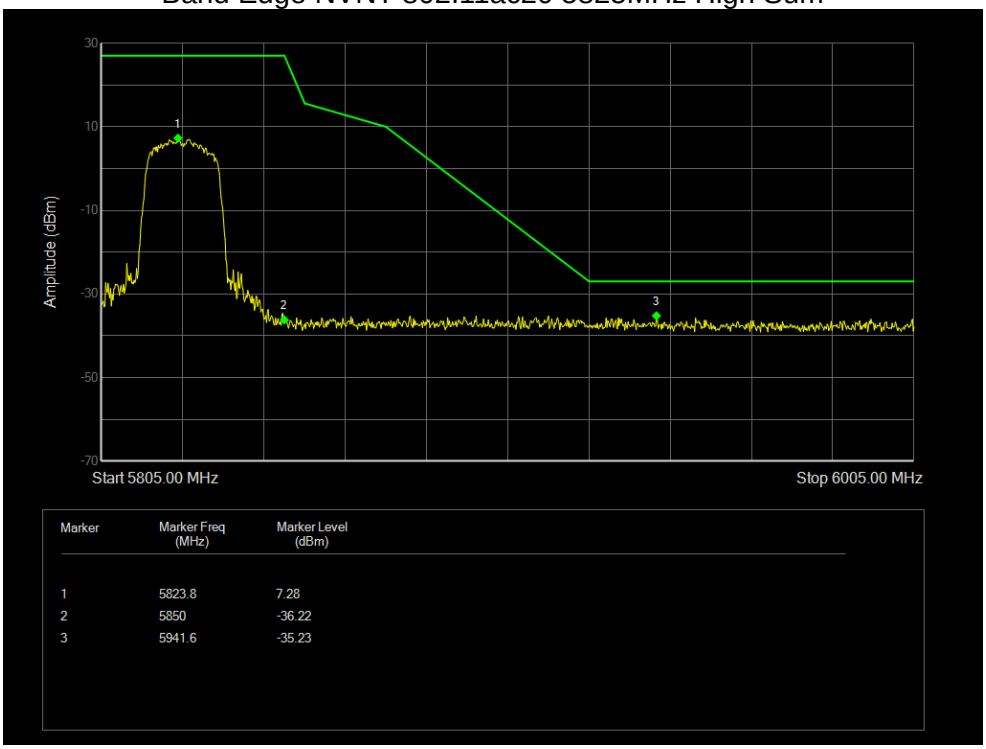
11.10 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11ac20	5745	Sum	-34.86	-27	Pass
NVNT	802.11ac20	5825	Sum	-35.23	-27	Pass
NVNT	802.11ac40	5755	Sum	-35.9	-27	Pass
NVNT	802.11ac40	5795	Sum	-35.4	-27	Pass
NVNT	802.11ac80	5775	Sum	-37.24	-4.5	Pass
NVNT	802.11ac80	5775	Sum	-37.34	-23.15	Pass
NVNT	802.11n(HT20)	5745	Sum	-35.38	-27	Pass
NVNT	802.11n(HT20)	5825	Sum	-35.69	-27	Pass
NVNT	802.11n(HT40)	5755	Sum	-36.07	-27	Pass
NVNT	802.11n(HT40)	5795	Sum	-34.46	-27	Pass

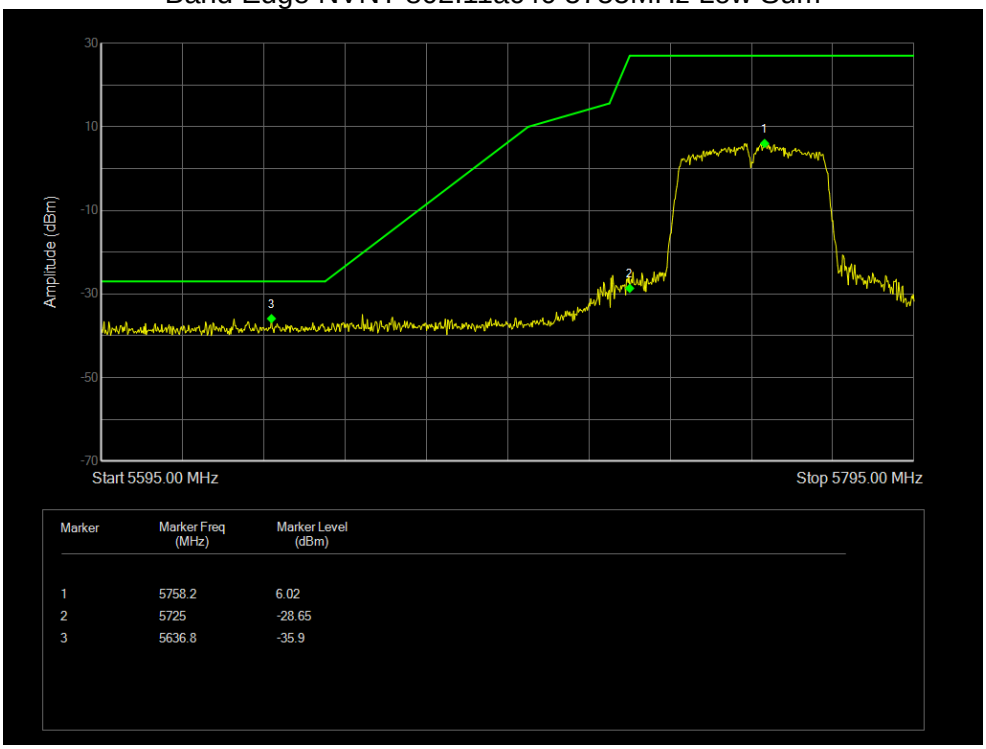
Band Edge NVNT 802.11ac20 5745MHz Low Sum



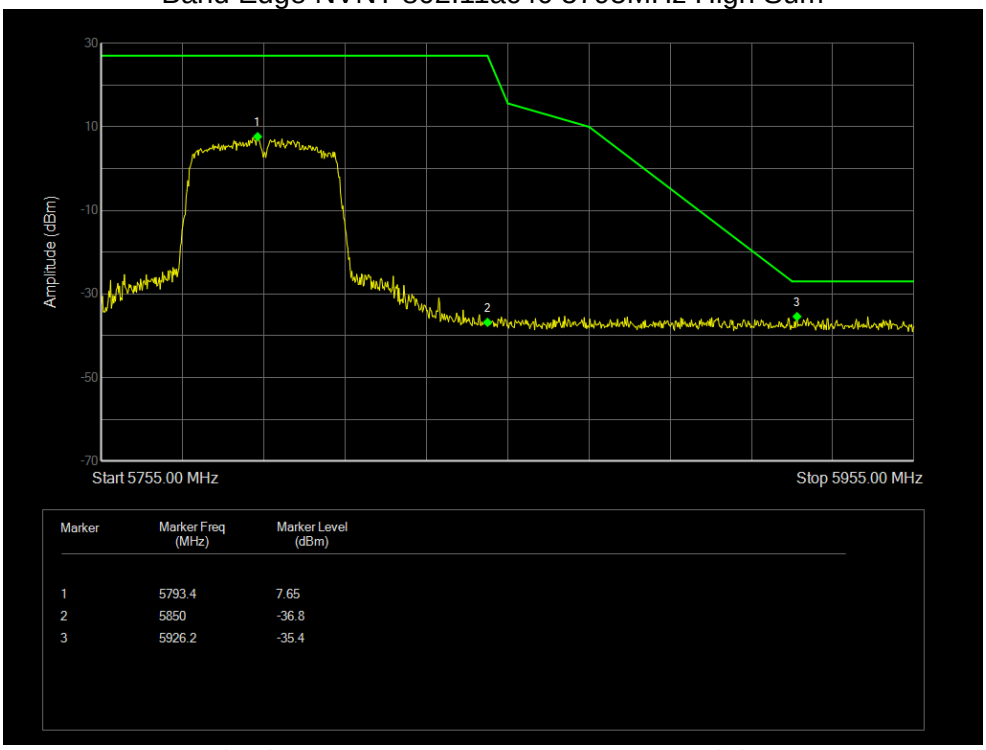
Band Edge NVNT 802.11ac20 5825MHz High Sum



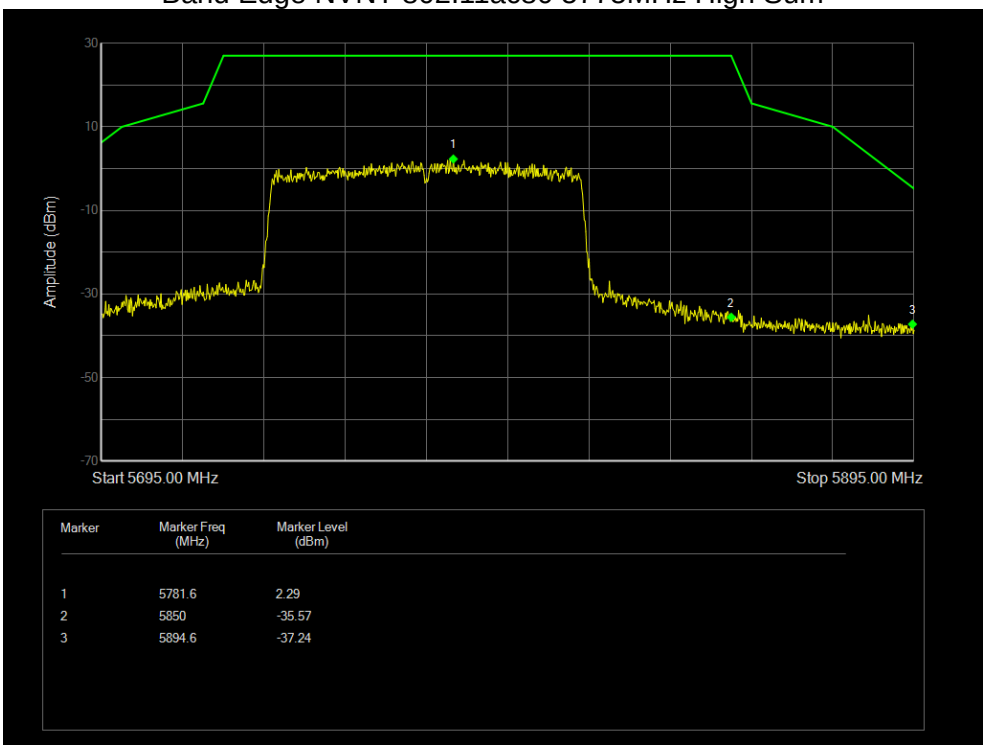
Band Edge NVNT 802.11ac40 5755MHz Low Sum



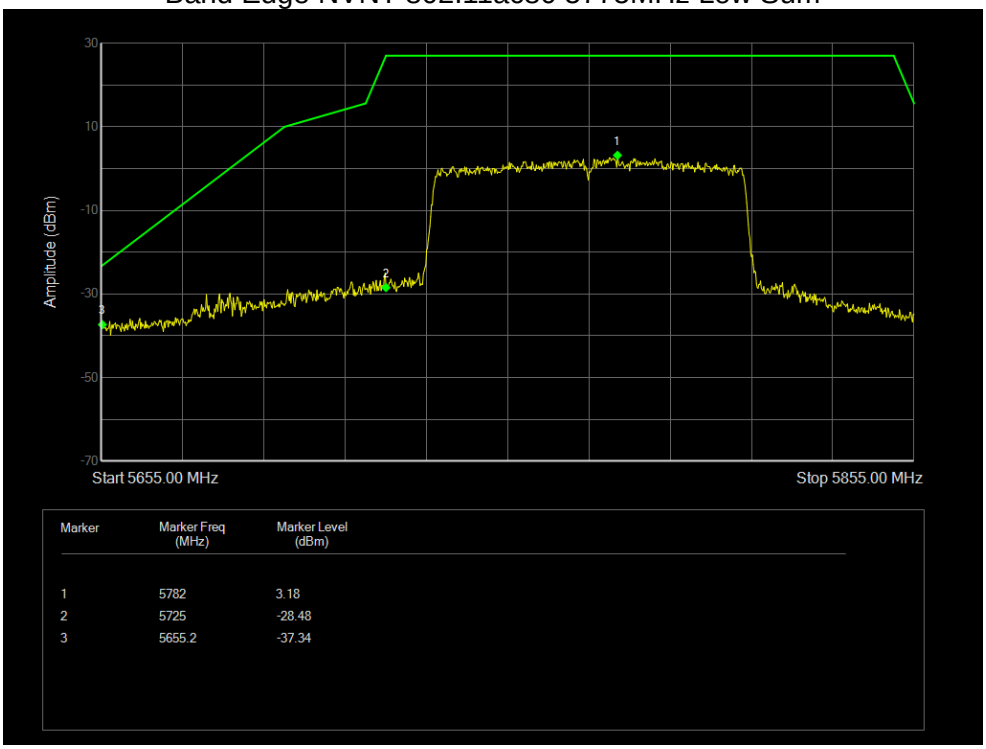
Band Edge NVNT 802.11ac40 5795MHz High Sum



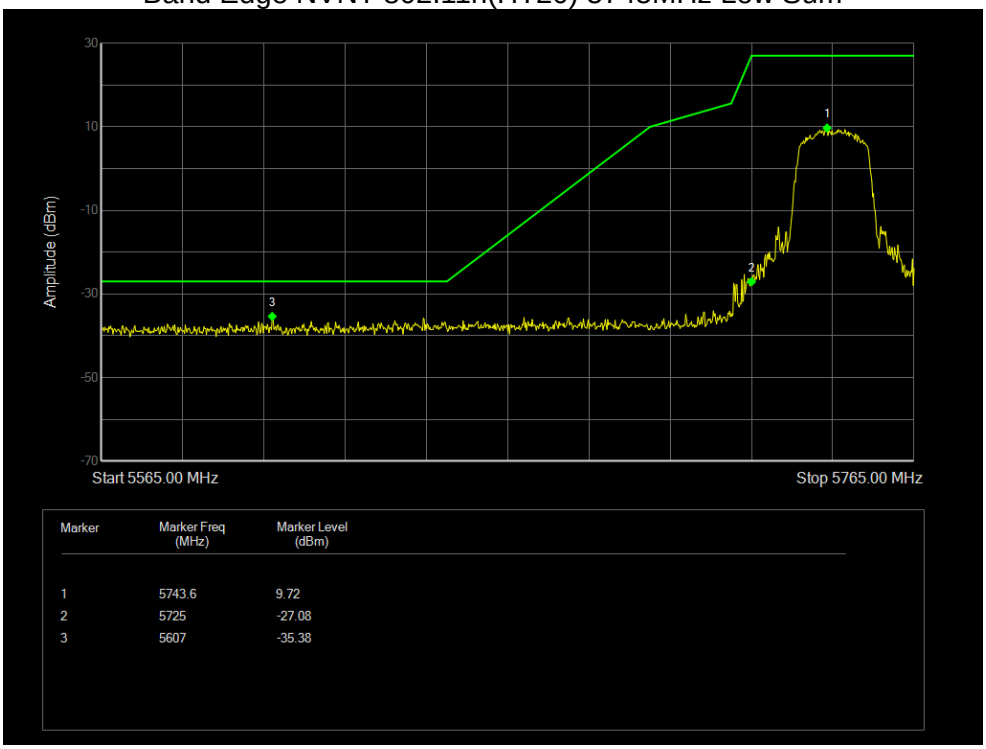
Band Edge NVNT 802.11ac80 5775MHz High Sum



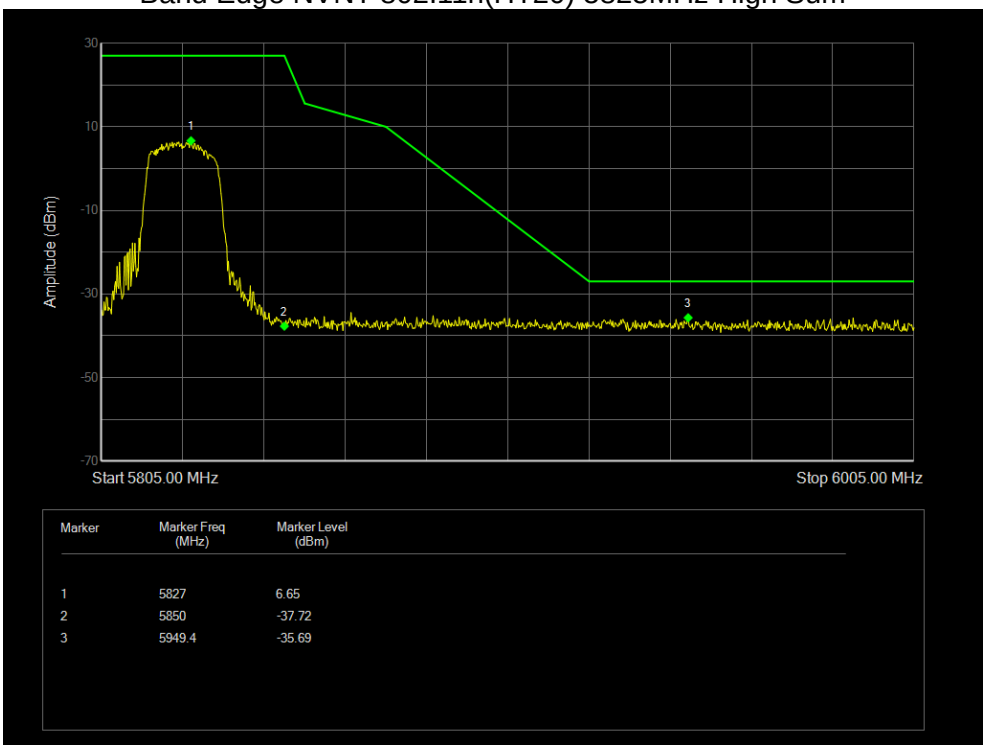
Band Edge NVNT 802.11ac80 5775MHz Low Sum



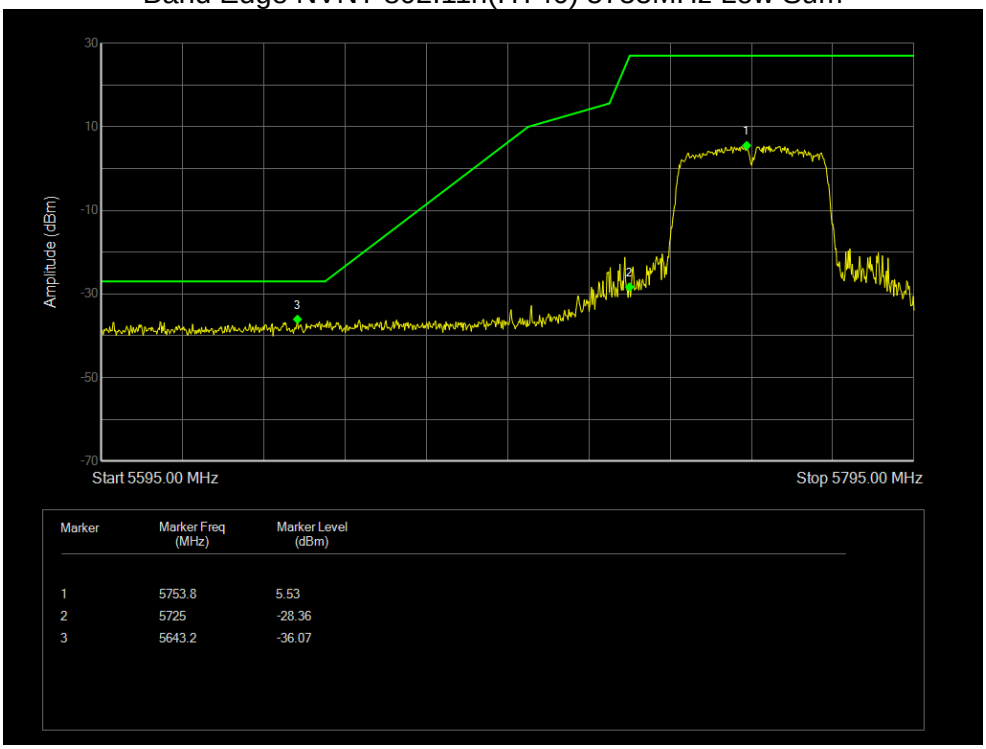
Band Edge NVNT 802.11n(HT20) 5745MHz Low Sum



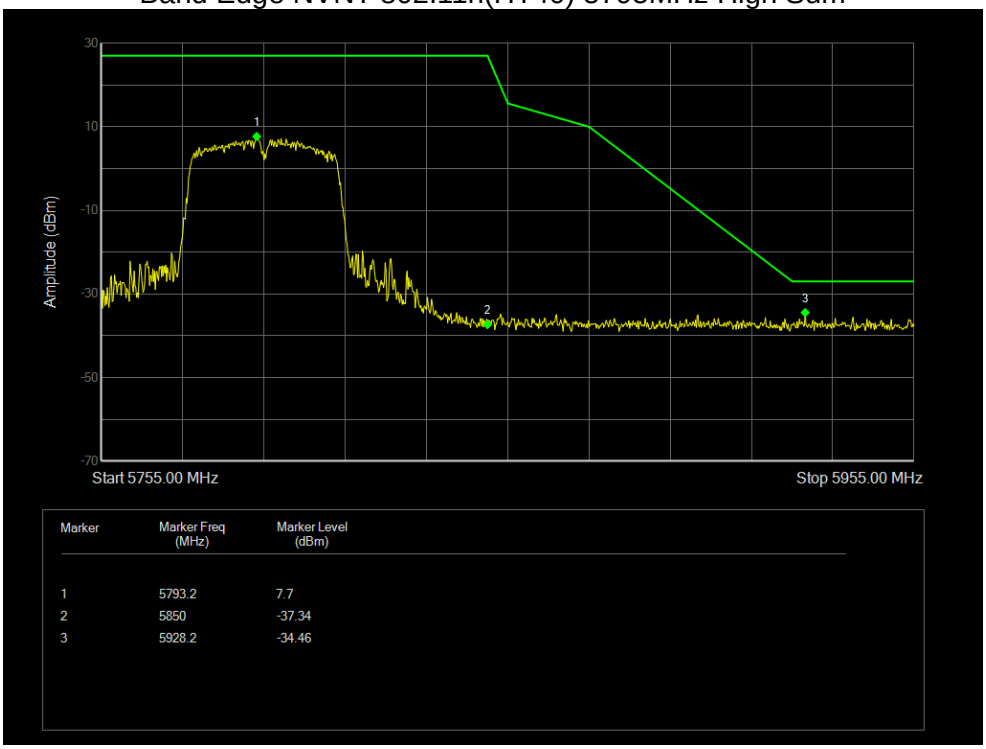
Band Edge NVNT 802.11n(HT20) 5825MHz High Sum



Band Edge NVNT 802.11n(HT40) 5755MHz Low Sum



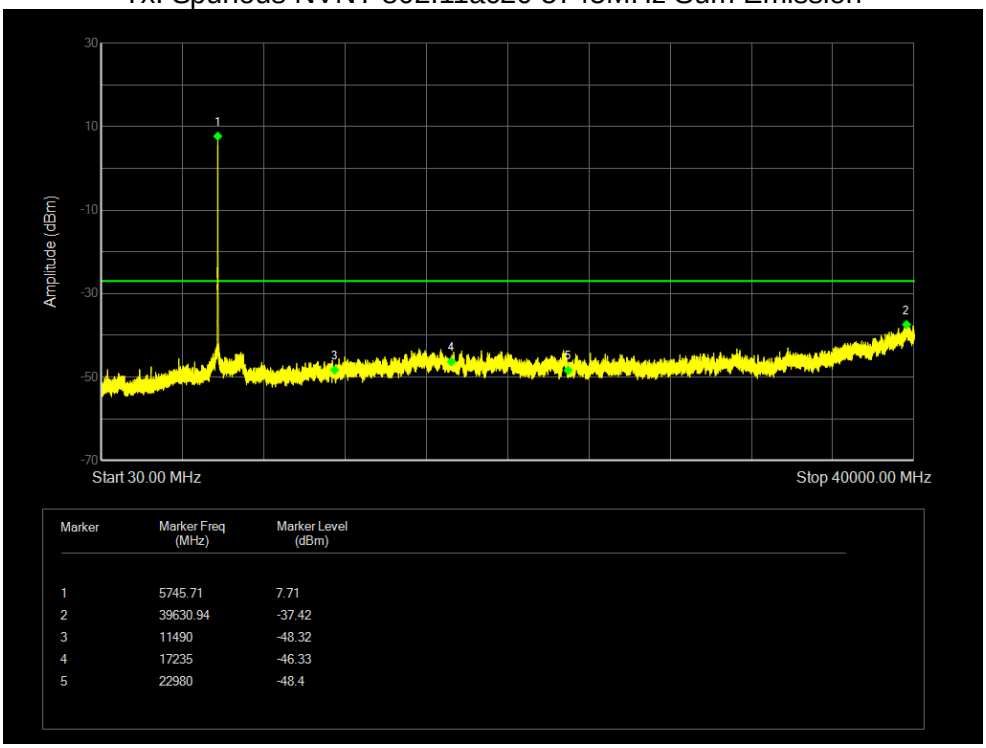
Band Edge NVNT 802.11n(HT40) 5795MHz High Sum



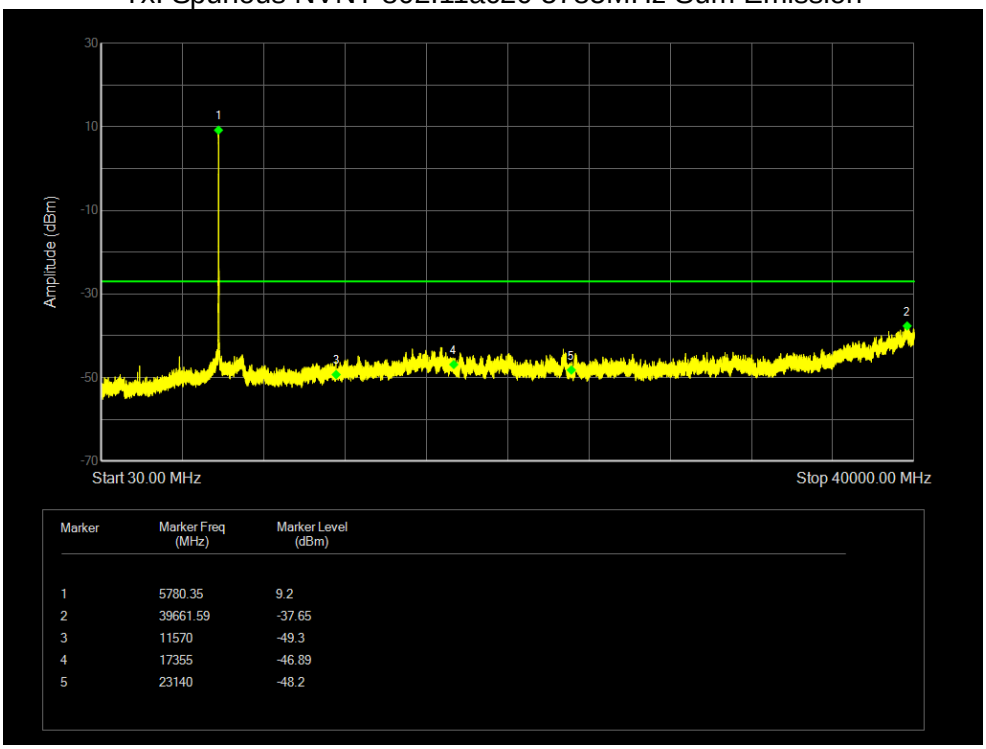
11.11 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11ac20	5745	Sum	-37.42	-27	Pass
NVNT	802.11ac20	5785	Sum	-37.65	-27	Pass
NVNT	802.11ac20	5825	Sum	-45.93	-27	Pass
NVNT	802.11ac40	5755	Sum	-37.15	-27	Pass
NVNT	802.11ac40	5795	Sum	-37.32	-27	Pass
NVNT	802.11ac80	5775	Sum	-37.38	-27	Pass
NVNT	802.11n(HT20)	5745	Sum	-36.62	-27	Pass
NVNT	802.11n(HT20)	5785	Sum	-37.04	-27	Pass
NVNT	802.11n(HT20)	5825	Sum	-36.91	-27	Pass
NVNT	802.11n(HT40)	5755	Sum	-37.52	-27	Pass
NVNT	802.11n(HT40)	5795	Sum	-37.02	-27	Pass

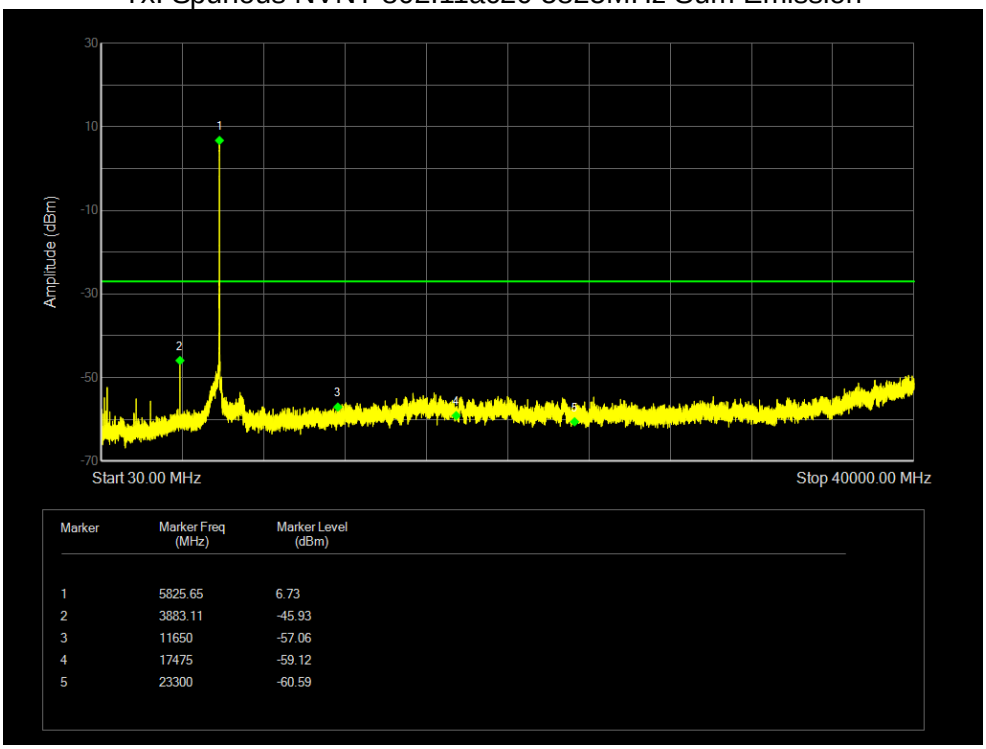
Tx. Spurious NVNT 802.11ac20 5745MHz Sum Emission



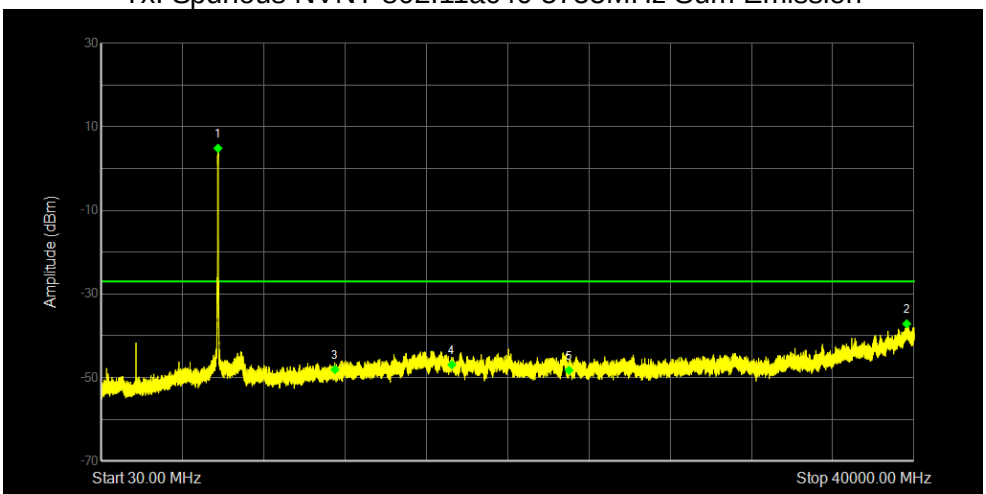
Tx. Spurious NVNT 802.11ac20 5785MHz Sum Emission



Tx. Spurious NVNT 802.11ac20 5825MHz Sum Emission

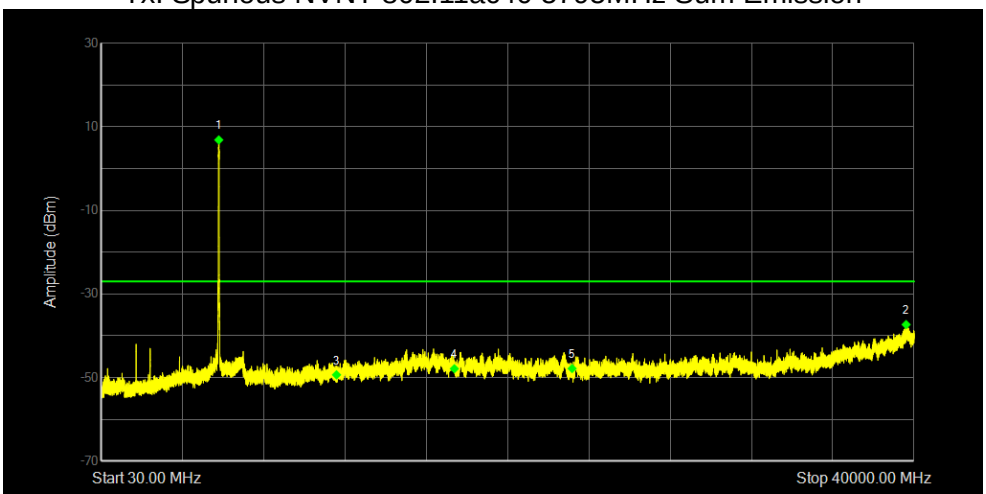


Tx. Spurious NVNT 802.11ac40 5755MHz Sum Emission



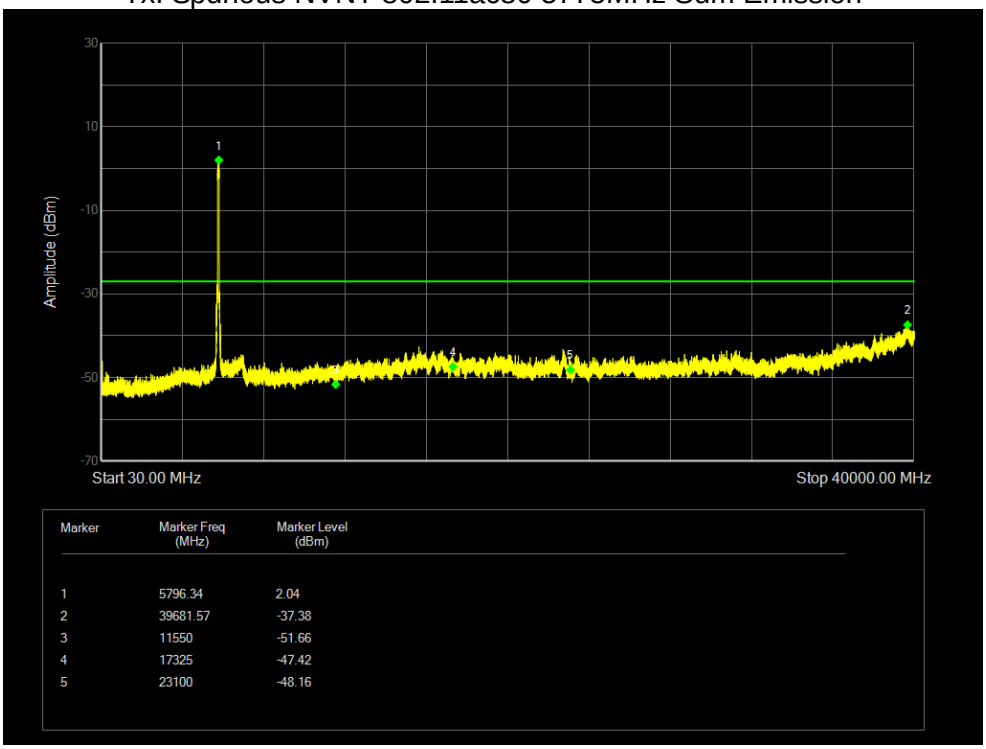
Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5756.37	4.86
2	39642.93	-37.15
3	11510	-48.09
4	17265	-46.93
5	23020	-48.26

Tx. Spurious NVNT 802.11ac40 5795MHz Sum Emission

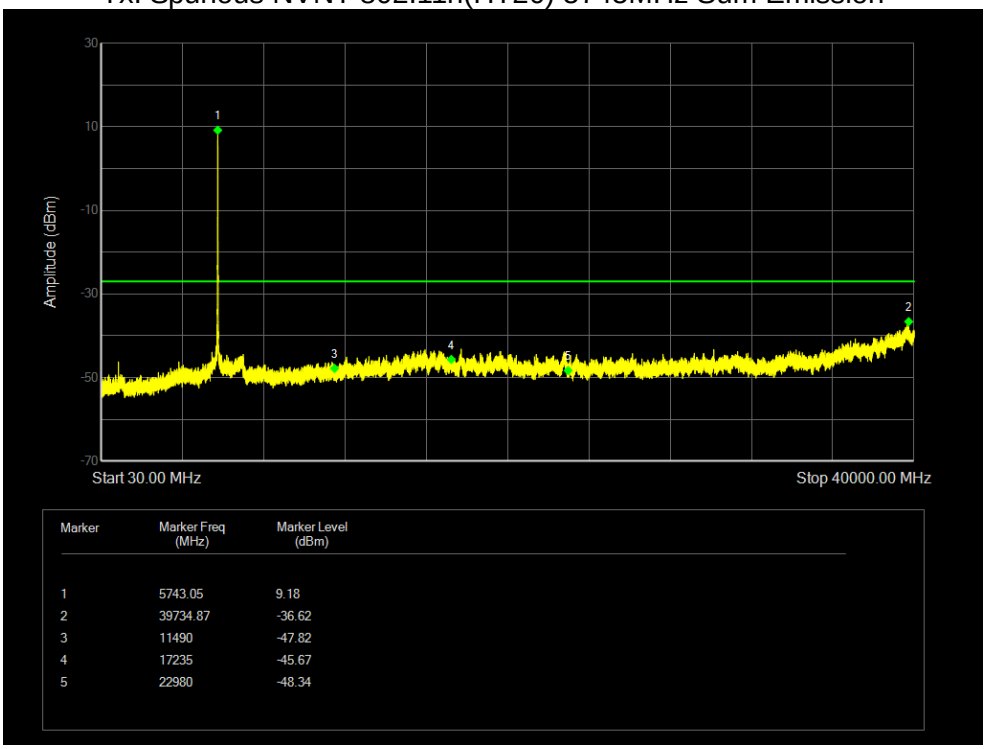


Marker	Marker Freq (MHz)	Marker Level (dBm)
1	5796.34	6.87
2	39608.29	-37.32
3	11590	-49.35
4	17385	-47.89
5	23180	-47.84

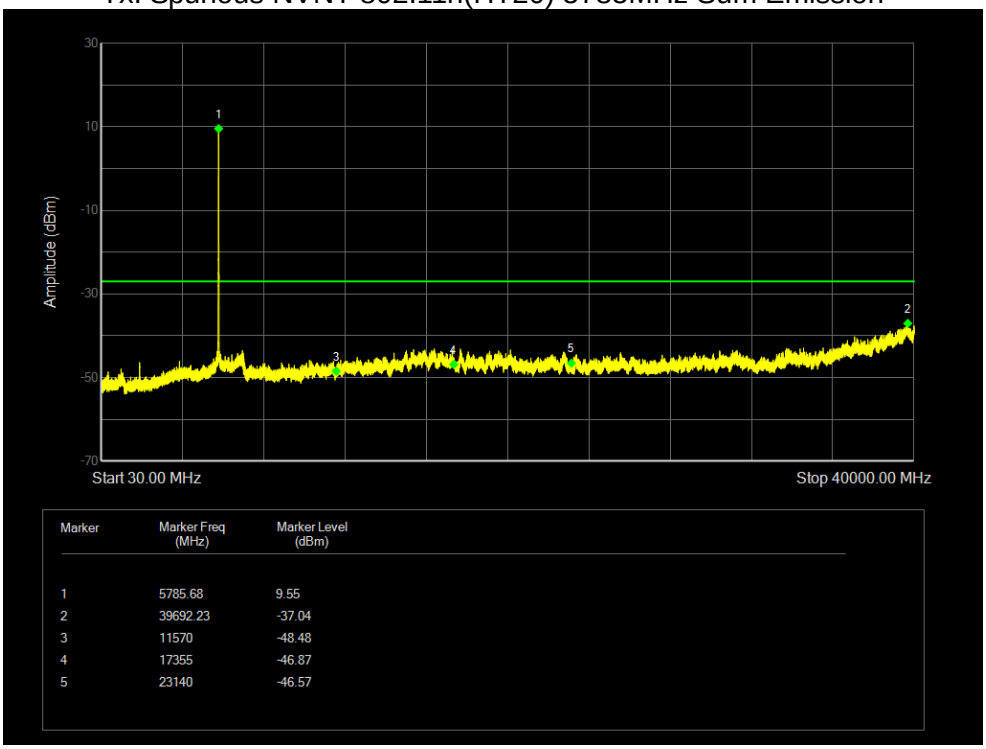
Tx. Spurious NVNT 802.11ac80 5775MHz Sum Emission



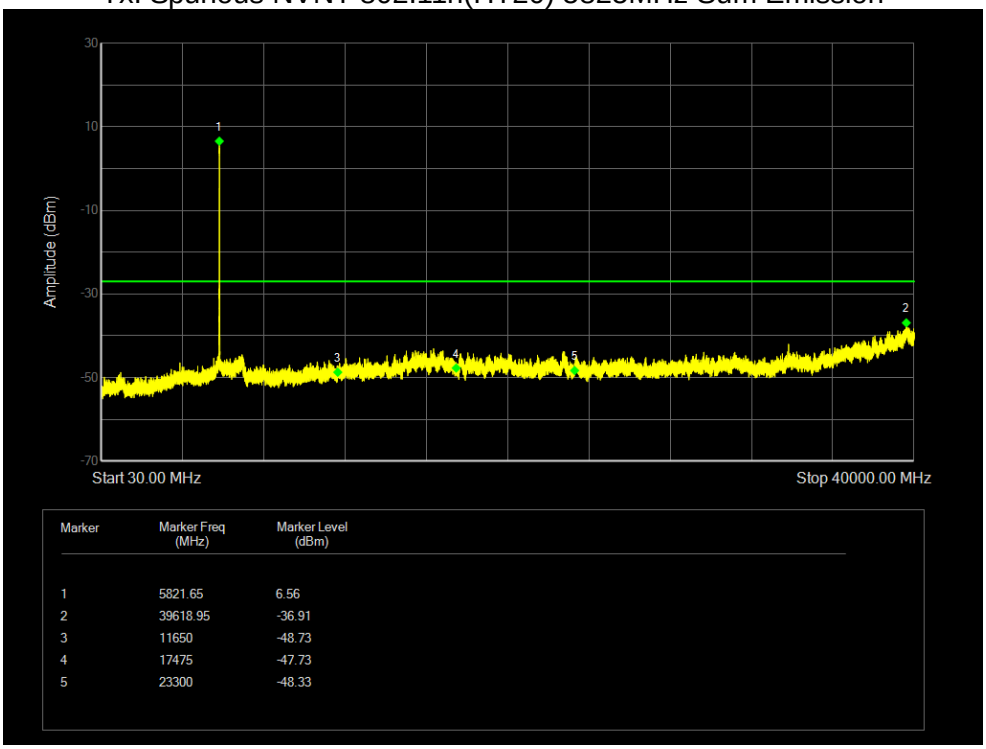
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Sum Emission



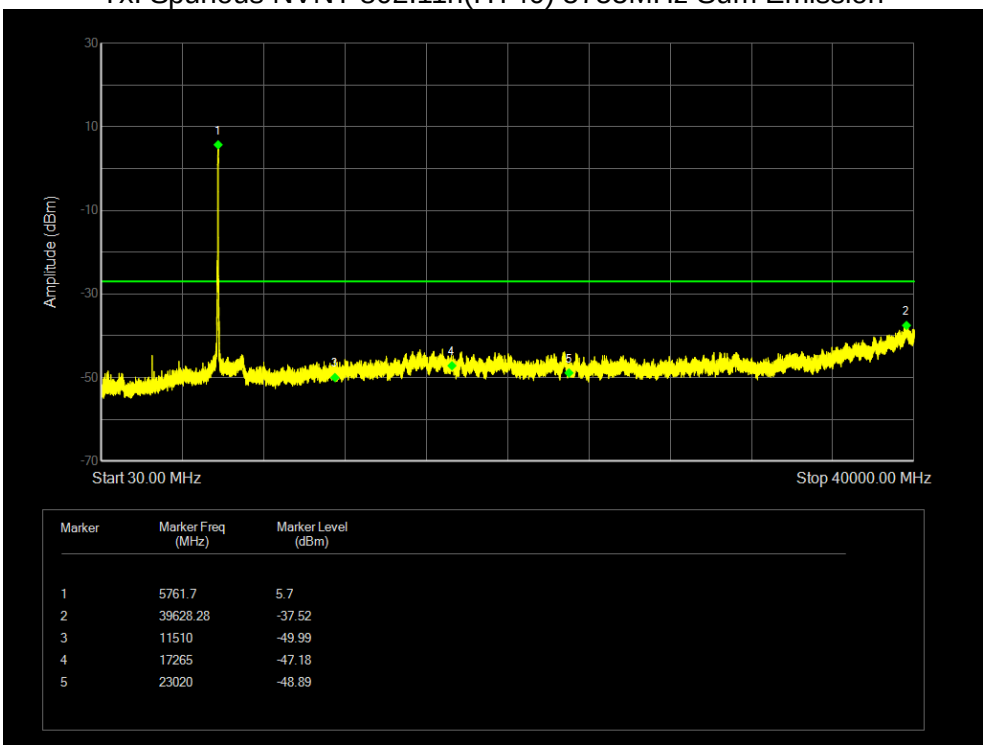
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Sum Emission



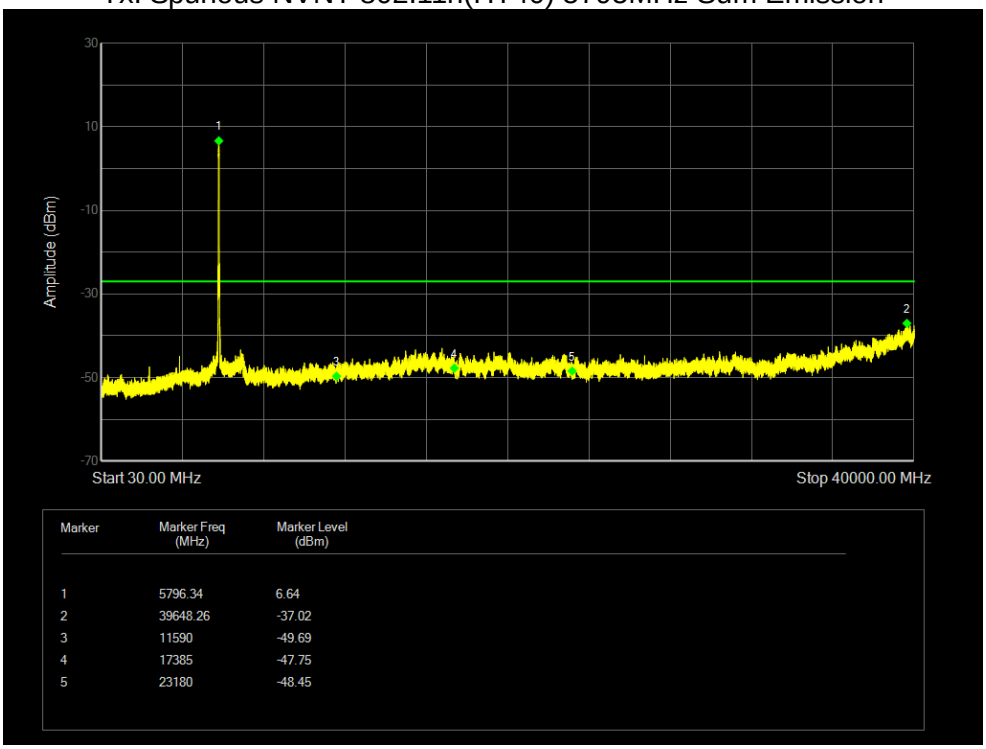
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Sum Emission



Tx. Spurious NVNT 802.11n(HT40) 5755MHz Sum Emission



Tx. Spurious NVNT 802.11n(HT40) 5795MHz Sum Emission



END OF REPORT